

Aleta A. Brown
Environmental Specialist

April 25, 2007

File No. 3483

Diana Mason
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 12110
Box 145801
Salt Lake City, Utah 84114-5801

**Subject: SWEPI LP Submittal of Application to Permit to Drill
for Carbon Canal 5-12 Well
SW NW, Section 12, Township 16 South, Range 10 East, S.L.B.
& M.**

Dear Ms. Mason:

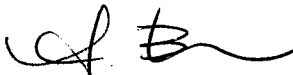
Enclosed is an Application for Permit to Drill the Carbon Canal 5-12 well located in Emery County. SWEPI LP is the operator and holder of mineral lease number ML-49116.

SWEPI LP will purchase needed water from local water boards and therefore does not require the Division of Water Rights approval.

SWEPI LP and Norwest are looking forward to working with both DOGM and SITLA on this project. Please contact me, or my associate Fran Amendola at the same phone number, if you require any further information or have any questions 801-539-0044 or abrown@norwestcorp.com.

Yours sincerely,

NORWEST CORPORATION



Aleta A. Brown
Environmental Specialist

Enclosures
Cc: Barry Browne, SWEPI LP
Richard Lewis, SWEPI LP
Fran Amendola, Norwest Corp.

RECEIVED

APR 26 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		5. MINERAL LEASE NO: ML-49116	6. SURFACE: Fee
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
2. NAME OF OPERATOR: SWEPI LP		8. UNIT or CA AGREEMENT NAME:	
3. ADDRESS OF OPERATOR: 200 N. Dairy Ashford CITY Houston STATE TX ZIP 77079		PHONE NUMBER: 801-539-0044	9. WELL NAME and NUMBER: Carbon Canal 5-12
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2127' FNL 649' FNL 5210254 39.449307 AT PROPOSED PRODUCING ZONE: same 43664584 - 110.755643		10. FIELD AND POOL, OR WILDCAT: Wildcat	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 6.5 miles to Wellington		12. COUNTY: Emery	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 649'	16. NUMBER OF ACRES IN LEASE: 1664.80	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) NA	19. PROPOSED DEPTH: 9,000	20. BOND DESCRIPTION: State Bond #6128698	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5569.3' GR	22. APPROXIMATE DATE WORK WILL START: 6/25/2007	23. ESTIMATED DURATION: 40 days	

24. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17-1/2"	13-3/8" K-55 54.0#/ft	900	See attached page 2
12-1/4"	9-5/8" K-55 36.0#/ft	7,700	See attached page 2
8-1/2"	5-1/2" P-110 20.0#/ft	9,000	See attached page 3

25. ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- | | |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) B. O. Eubanks

TITLE Attorney-in-Fact

SIGNATURE

DATE 4/24/2007

(This space for State use only)

API NUMBER ASSIGNED:

43-015-30709

APPROVAL:

RECEIVED

APR 26 2007

DIV. OF OIL, GAS & MINING

T16S, R10E, S.L.B.&M.

R
10
E

1969 Brass Cap
0.5' High, 3"x4"
Cedar Post on
Ground

S89°34'50"W - 2646.81' (Meas.)

S89°32'W - 2646.60' (G.L.O.)

2005 Alum. Cap
0.3' High

N00°12'17"W -
1322.05' (Meas.)

N00°15'37"W -
1322.18' (Meas.)

1969 Brass
Cap 0.6'
High

1969 Brass Cap
0.6' High, Stones
Around Cap

N00°16'W - 2644.62' (G.L.O.)

2127'

649'

CARBON CANAL #5-12

Elev. Ungraded Ground = 5570'

12

S89°42'W - 5293.20' (G.L.O.)

N00°14'W - 5301.12' (G.L.O.)

LEGEND:

└─ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(AUTONOMOUS NAD 83)

LATITUDE = 39°26'57.51" (39.449308)

LONGITUDE = 110°45'22.94" (110.756372)

(AUTONOMOUS NAD 27)

LATITUDE = 39°26'57.63" (39.449342)

LONGITUDE = 110°45'20.37" (110.755658)

SWEPI LP

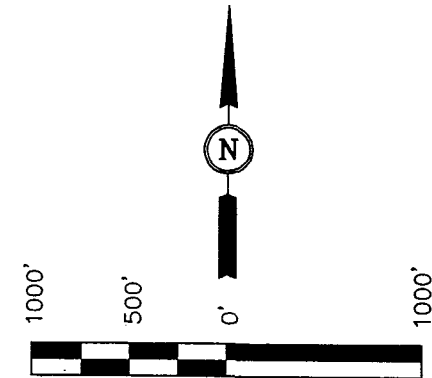
Well location, CARBON CANAL #5-12, located as shown in the SW 1/4 NW 1/4 of Section 12, T16S, R10E, S.L.B.&M., Emery County, Utah.

BASIS OF ELEVATION

BENCH MARK (17FMK) LOCATED IN THE EAST 1/2 OF SECTION 6, T16S, R11E, S.L.B.&M., TAKEN FROM THE OLSEN RESERVOIR QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 5449 FEET.

BASIS OF BEARINGS

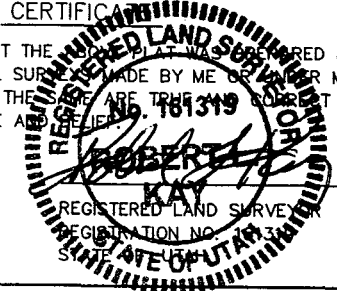
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

CERTIFICATION

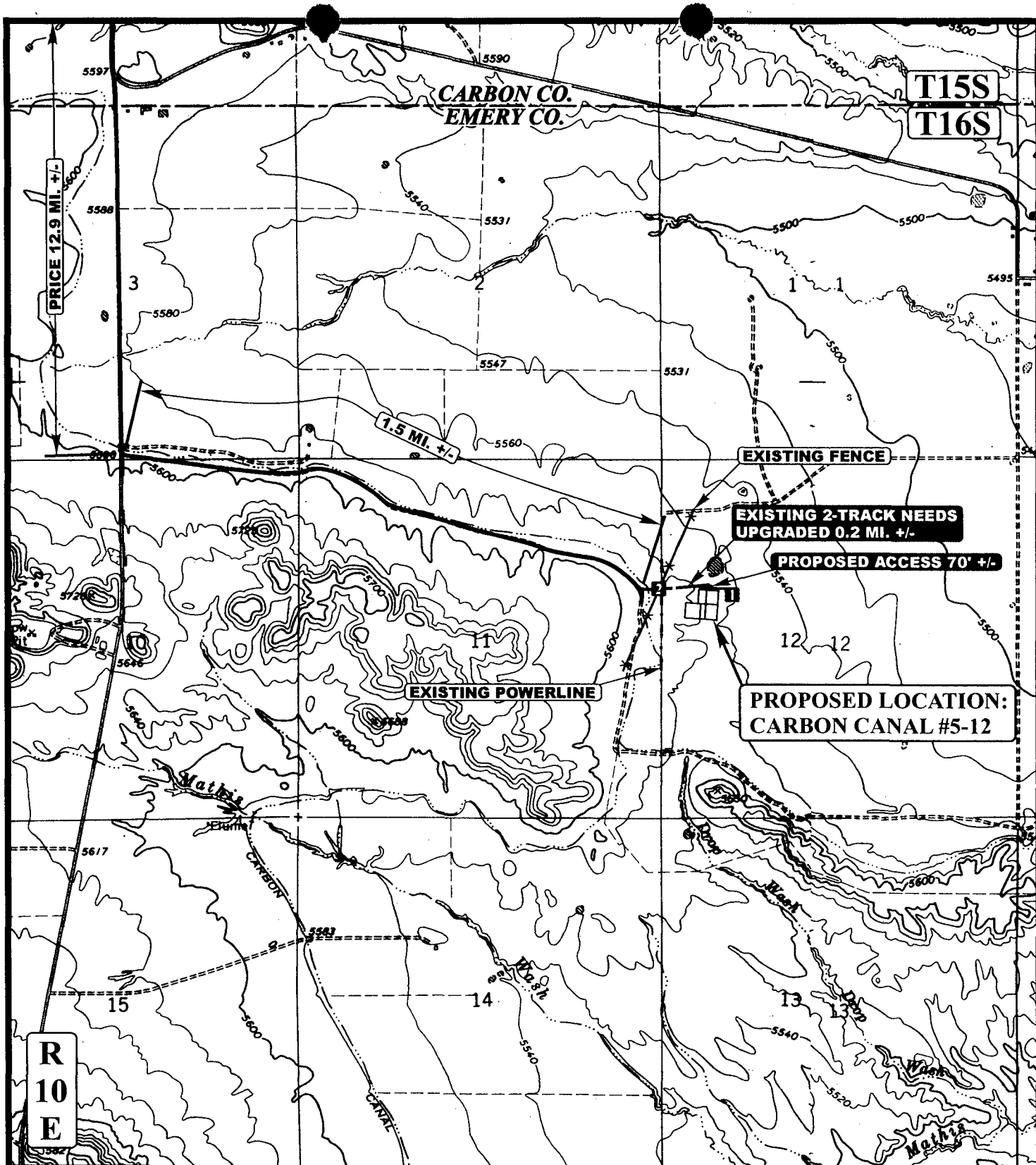
THIS IS TO CERTIFY THAT THE SURVEY PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REVISED: 04-23-07

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 04-09-07	DATE DRAWN: 04-17-07
PARTY B.B. T.R. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE SWEPI LP	



LEGEND:

_____	EXISTING ROAD
-----	PROPOSED ACCESS ROAD
_____	EXISTING 2-TRACK NEEDS UPGRADED
* * * *	EXISTING FENCE
1 18" CMP REQUIRED	2 CATTLE GUARD REQUIRED

SWEPI LP

CARBON CANAL #5-12
SECTION 12, T16S, R10E, S.L.B.&M.
2127' FNL 649' FWL

TOPOGRAPHIC
MAP

04	18	07
MONTH	DAY	YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REV: 04-23-07 P.M.

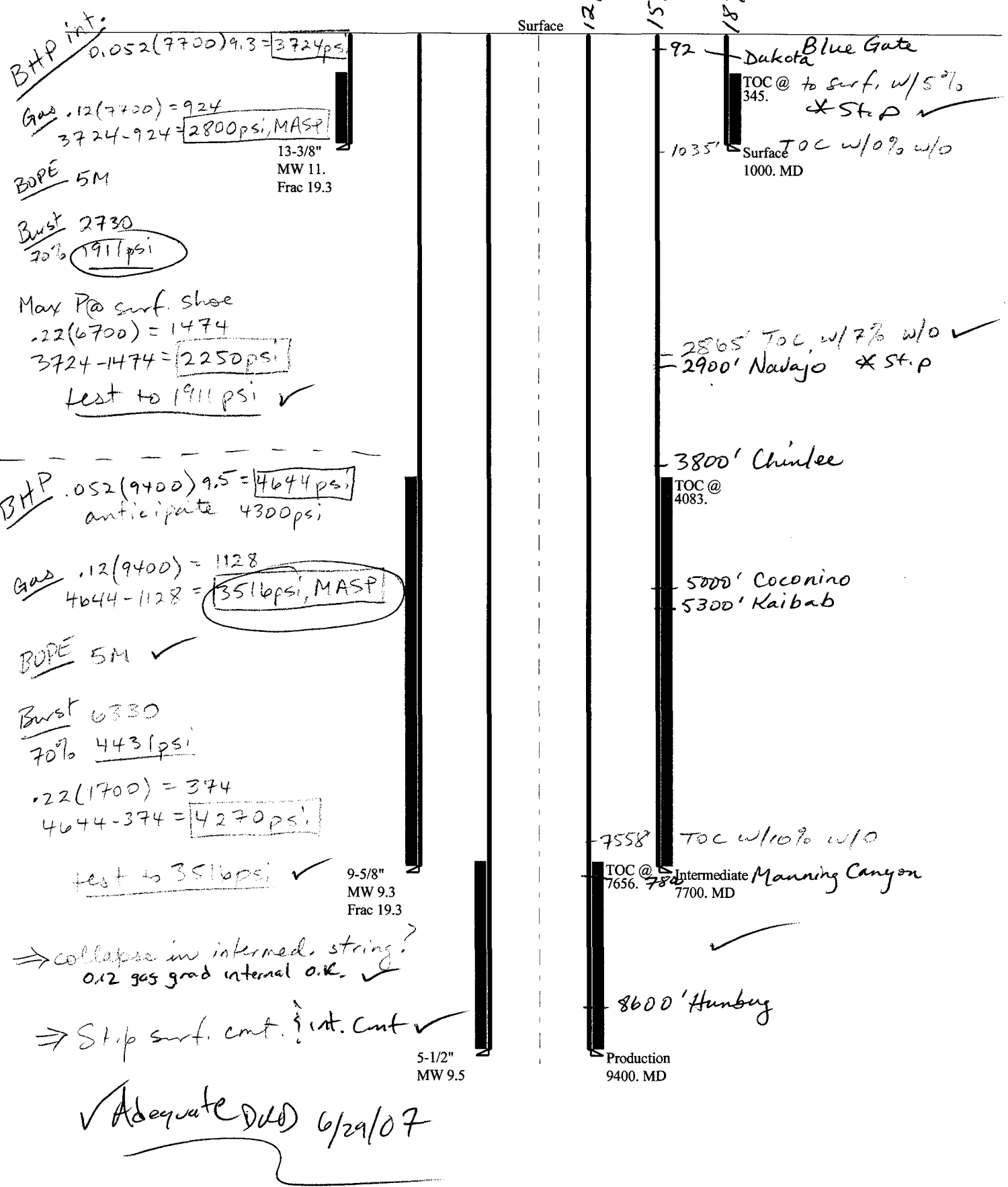
B
TOPO

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



2007-05 SWEPI Carbon Canal 5-12

Casing Schematic



Well name:

2007-05 SWEPI Carbon Canal 5-12Operator: **Shell Western Exp & Prod, Inc. LP**String type: **Surface**

Project ID:

43-015-30709Location: **Emery County****Design parameters:****Collapse**Mud weight: 11.000 ppg
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 89 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 290 ft

Cement top: 345 ft

BurstMax anticipated surface pressure: 880 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 1,000 psi

No backup mud specified.

Tension:8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)Tension is based on buoyed weight.
Neutral point: 837 ft**Non-directional string.****Re subsequent strings:**Next setting depth: 7,700 ft
Next mud weight: 9.300 ppg
Next setting BHP: 3,720 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,000 ft
Injection pressure: 1,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1000	13.375	54.50	K-55	ST&C	1000	1000	12.49	868
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	571	1130	1.977	1000	2730	2.73	46	547	11.99 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & MineralsPhone: 801-538-5357
FAX: 801-359-3940Date: June 27, 2007
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 1000 ft, a mud weight of 11 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

2007-05 SWEPI Carbon Canal 5-12Operator: **Shell Western Exp & Prod, Inc. LP**

String type: Intermediate

Project ID:

43-015-30709

Location: Emery County

Design parameters:**Collapse**Mud weight: 9.300 ppg
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 183 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 900 ft

Cement top: 4,083 ft

BurstMax anticipated surface pressure: 2,571 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,265 psi

No backup mud specified.

Tension:8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)Tension is based on buoyed weight.
Neutral point: 6,626 ft**Non-directional string.****Re subsequent strings:**Next setting depth: 9,400 ft
Next mud weight: 9.500 ppg
Next setting BHP: 4,639 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 7,700 ft
Injection pressure: 7,700 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	7700	9.625	43.50	N-80	LT&C	7700	7700	8.625	3219
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3720 2796	3810	1.024 1.363	4265	6330	1.48	288	825	2.86 J

Note evacuated
112 gas grad → reasonable

O.R. D.K.D.

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & MineralsPhone: 801-538-5357
FAX: 801-359-3940Date: June 27, 2007
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 7700 ft, a mud weight of 9.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

2007-05 SWEPI Carbon Canal 5-12Operator: **Shell Western Exp & Prod, Inc. LP**String type: **Production**

Project ID:

43-015-30709Location: **Emery County****Design parameters:****Collapse**Mud weight: 9.500 ppg
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 207 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 7,656 ft

BurstMax anticipated surface
pressure: 2,571 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,639 psi

No backup mud specified.

Tension:8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)**Non-directional string.**

Tension is based on buoyed weight.

Neutral point: 8,048 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	9400	5.5	20.00	P-110	LT&C	9400	9400	4.653	1170.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4639	11100	2.393	4639	12630	2.72	161	548	3.40 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & MineralsPhone: 801-538-5357
FAX: 801-359-3940Date: June 27, 2007
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 9400 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/26/2007

API NO. ASSIGNED: 43-015-30709

WELL NAME: CARBON CANAL 5-12

OPERATOR: SWEPI LP (N1895)

PHONE NUMBER: 801-539-0044

CONTACT: B.O. EUBANKS

PROPOSED LOCATION:

SWNW 12 160S 100E

SURFACE: 2127 FNL 0649 FWL

BOTTOM: 2127 FNL 0649 FWL

COUNTY: EMERY

LATITUDE: 39.44931 LONGITUDE: -110.7556

UTM SURF EASTINGS: 521025 NORTHINGS: 4366458

FIELD NAME: WILDCAT (1)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	6/29/07
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML-49116

SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: HMBG

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 6128698)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. Municipal)
☒ RDCC Review (Y/N)
(Date: 05/18/2007)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

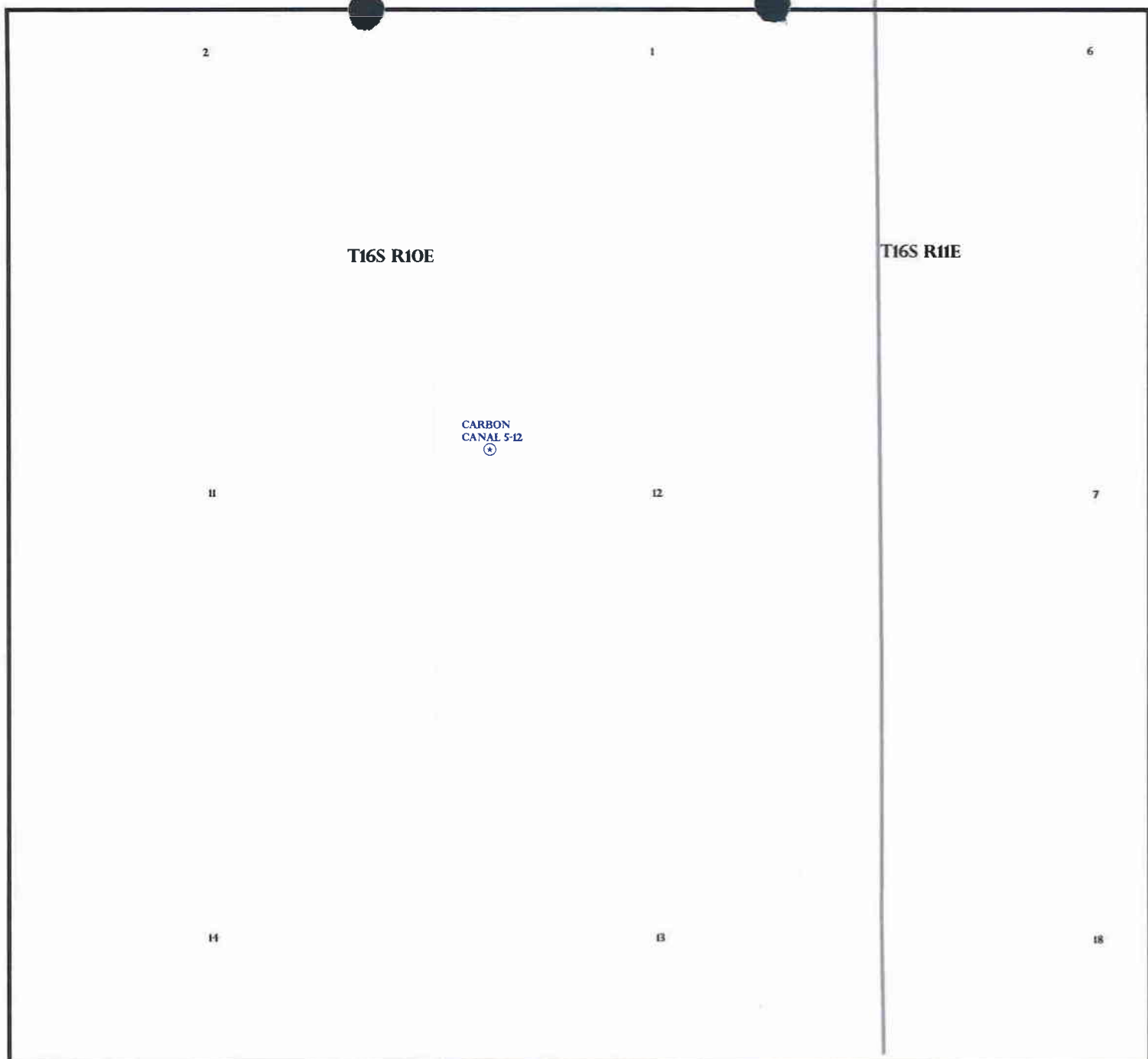
___ R649-2-3.
Unit: ___
☒ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
___ R649-3-3. Exception
___ Drilling Unit
Board Cause No: ___
Eff Date: ___
Siting: ___
___ R649-3-11. Directional Drill

COMMENTS:

Needs Permit (05-03-07)

STIPULATIONS:

1- Spacing Slip
2- STATEMENT OF BASIS
3- Surface Csg Cont st. D
4- Cement st. # 3A (9 5/8" intermediate, ±2500' MD, Navajo Fm)



OPERATOR: SWEPI LP (N1895)

SEC: 12 T.16S R. 10E

FIELD: WILDCAT (001)

COUNTY: EMERY

SPACING: R649-3-2 / GENERAL SITING

Wells Status

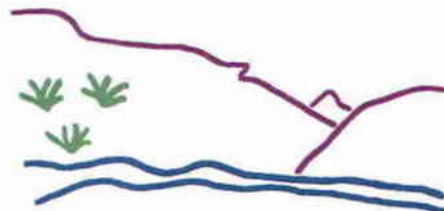
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON
DATE: 3-MAY-2007

Application for Permit to Drill

Statement of Basis

5/9/2007

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
399	43-015-30709-00-00		GW	P	No
Operator	SWEPI LP	Surface Owner-APD			
Well Name	CARBON CANAL 5-12	Unit			
Field	WILDCAT	Type of Work			
Location	SWNW 12 16S 10E S 2127 FNL 649 FWL GPS Coord (UTM) 521025E 4366458N				

Geologic Statement of Basis

A poorly to moderately permeable soil is most likely developed on a thin veneer of Slope Wash covering the Blue Gate Member of the Mancos Shale. The proposed casing and cement will adequately isolate any shallow zones containing water. No aquifers with high quality ground water are likely to be encountered. The proposed casing and cement program will adequately isolate any water-bearing strata. Within a mile of the location numerous underground water rights have been filed but only by the Operator for produced CBM water.

Chris Kierst
APD Evaluator

5/8/2007
Date / Time

Surface Statement of Basis

On-site conducted May 3, 2007. In attendance: Mark Jones (UDOGM), Richard Lewis (SWEPI), Danny Davis (consultant landman), Elizabeth Hardesty (SWEPI), Aleta Brown (Permit Consultant), Dale Mathis (surface lessee), LDS Church, surface owner was invited to attend, but chose not to. Emery County was also invited but chose not to attend. A pre-APD meeting was conducted approximately 2 weeks prior to this pre-site meeting. All of the above individuals were in attendance as well as bidding dirt contractors, SITLA, and Emery County.

DOGM recommends drainage on the west side be diverted around well pad. Pit evaluation ranking score came in at a 17, which is an optional liner requirement, however Shell officials stated they will be using a liner. DOGM recommends that this liner be kept in proper functioning condition. DOGM requires that all activities associated with constructing, drilling, completion and production of well be restricted to permitted access route and well pad. This was also a concern of the landowners expressed through the lessee, Dale Mathis. All ROW's and conditional use permits should be obtained from other government officials in relation to the access road. Carbon Canal representatives should approve any proposed changes to the canal crossing that may be needed to accommodate the drilling activities. It was stated by Shell representatives during the pre-site that the entire location was planned to be fenced to keep livestock out of the drilling area and reserve pit.

Mark Jones
Onsite Evaluator

5/3/2007
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator SWEPI LP
Well Name CARBON CANAL 5-12
API Number 43-015-30709-0 **APD No** 399 **Field/Unit** WILDCAT
Location: 1/4,1/4 SWNW **Sec** 12 **Tw** 16S **Rng** 10E 2127 FNL 649 FWL
GPS Coord (UTM) 521032 4366462 **Surface Owner**

Participants

Mark Jones (UDOGM), Richard Lewis (SWEPI), Danny Davis (consultant landman), Elizabeth Hardesty (SWEPI), Aleta Brown (Permit Consultant), Dale Mathis (surface lessee), LDS Church, surface owner was invited to attend, but chose not to. Emery County was als

Regional/Local Setting & Topography

Northern Emery County, just south of Carbon Emery line in Miller Creek area. East of Upper Miller Creek Road ~2 miles and South of Butcher residences ~1 mile.

Surface Use Plan

Current Surface Use

Grazing
Agricultural

New Road

Miles	Well Pad	Src Const Material	Surface Formation
0	Width 430	Length 250	Onsite

Ancillary Facilities N

All activities will remain on location. No expected new road is needed, however the two-track on private surface and possibly the county road will need to be upgraded to accommodate the drilling operation. Lessee has issues on county road.

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

salt desert scrub community. (gardner salt brush, winter fat, brrom snakeweed, shadscale).

Soil Type and Characteristics

mancos shale / clay

Erosion Issues Y

Erosive upon disturbance.

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required Y

diversion ditches required on west side of location.

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? N

Paleo Potential Observed? N

Cultural Survey Run? N

Cultural Resources? N

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	300 to 1000	2
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	Low permeability	0
Fluid Type	TDS>5000 and <10000	10
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	10 to 20	5
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0

Final Score 17 2 **Sensitivity Level**

Characteristics / Requirements

dugout earthen. 220' x 225' x 14'. Shell will line this pit. A small 50' x 50' flare pit just north of the reserve pit is planned.

Closed Loop Mud Required? N

Liner Required? N

Liner Thickness

Pit Underlayment Required? N

Other Observations / Comments

Mark Jones
Evaluator

5/3/2007
Date / Time

From: Aleta A. Brown <abrown@norwestcorp.com>
To: Diana Mason <dianawhitney@utah.gov>
Date: 4/27/2007 10:35 AM
Subject: RE: Carbon Canal 5-12

Diana, The surface is owned by the Church of Jesus Christ of Latter Day Saints. Shell's contact at the church is:

Bob Stanton
50 East North Temple, 12th Floor East
SLC, UT 84150-6320
801-240-5288

Or
LaDelle Bullock
bullocklr@ldschurch.org
801-240-7425

Once the surface use agreement is finalized I will forward you a copy.

For the drilling phase Shell will purchase water from a canal/irrigation company. Once this is finalized I will send you a copy of the approval number. If Shell decides to purchase water from the Special Service District (culinary water) I will forward you that approval number as well.

Please contact me at 801-539-0044 to coordinate the onsite evaluation.

Sorry I did not provide this information in the APD. Please let me know if you need any further information or have any questions.

Thanks!

Aleta Brown
Environmental Specialist
Norwest Corporation
136 E. South Temple, 12th Floor
Salt Lake City, UT 84111
801-539-0044
Fax 801-539-0055

-----Original Message-----

From: Diana Mason [mailto:dianawhitney@utah.gov]
Sent: Thursday, April 26, 2007 3:12 PM
To: Aleta A. Brown
Subject: Carbon Canal 5-12

Hello Aleta,


There isn't any information about who the surface owner is, there phone number or address. Will you send that in along with the surface agreement and or an affidavit?

On the water rights, is this a municipal?

R649-3-4. Permitting of Wells to be Drilled, Deepened or Plugged-Back.
2.5. A copy of the Division of Water Rights approval or the identifying number of the approval for use of water at the drilling site.

Thank you,
Diana

STATE ACTIONS
Resource Development Coordinating Committee
Public Lands Policy Coordination Office
5110 State Office Building
SLC, UT 84114
Phone No. 537-9230

1. State Agency Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801	2. Approximate date project will start: Upon Approval or May 17, 2007
3. Title of proposed action: Application for Permit to Drill	
4. Description of Project: SWEPI LP proposes to drill the Carbon Canal 5-12 well (wildcat) on State lease ML-49116, Emery County, Utah. This action is being presented to the RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.	
5. Location and detailed map of land affected (site location map required, electronic GIS map preferred) (include UTM coordinates where possible) (indicate county) 2127' FNL 649' FWL, SW/4 NW/4, Section 12, Township 16 South, Range 10 East, Emery County, Utah	
6. Possible significant impacts likely to occur: Surface impacts include up to five acres of surface disturbance during the drilling and completion phase (estimated for five weeks duration). If oil and gas in commercial quantities is discovered, the location will be reclaimed back to a net disturbance of between one and two acres – not including road, pipeline, or utility infrastructure. If no oil or gas is discovered, the location will be completely reclaimed.	
7. Identify local government affected a. Has the government been contacted? No. b. When? c. What was the response? d. If no response, how is the local government(s) likely to be impacted?	
8. For acquisitions of land or interests in land by DWR or State Parks please identify state representative and state senator for the project area. Name and phone number of state representative, state senator near project site, if applicable: a. Has the representative and senator been contacted? N/A	
9. Areawide clearinghouse(s) receiving state action: (to be sent out by agency in block 1) Southeastern Utah Association of Governments	
10. For further information, contact: Diana Mason Phone: (801) 538-5312	11. Signature and title of authorized officer  Gil Hunt, Associate Director Date: May 3, 2007

From: Robert Clark
To: Mason, Diana
Date: 5/7/2007 10:52 AM
Subject: RDCC short turn-around response

CC: Anderson, Tad; McNeill, Dave; Wright, Carolyn
The following comments are in response to RDCC short turn-around item **RDCC #7933**.

RDCC #7933, Comments begin: The SWEPI LP proposal to drill the Carbon Canal 5-12 wildcat well on State lease ML-49116, in Emery County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

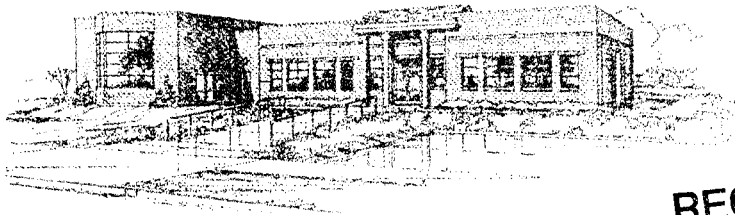
The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

Robert Clark
Division of Air Quality
801-536-4435

SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

DOUG ALLEN
CHAIRMAN

William D. Howell
EXECUTIVE DIRECTOR



375 SOUTH CARBON AVE.
P.O. DRAWER 1106
PRICE, UTAH 84501
(435) 637-5444
FAX (435) 637-5448

RECEIVED

MAY 14 2007

DIV. OF OIL, GAS & MINING

AREA WIDE CLEARINGHOUSE REVIEW

Federal Action _____ **State Action** _____ **Approved** (x) Yes () No
Other (indicate) _____

Applicant Address:

Oil, Gas & Mining

1594 West North Temple #1210

SLC, UT 84114-5801

Name Diana Mason

Phone 801-538-5312

Title/Project Description: Application for Permit to Drill (State Lease ML-49116)

SWEPI-LP proposes a wildcat well, Carbon Canal 5-12 on State Lease in Emery County.

Site of well is Sec 12, T16S, R10E, Emery County. Location is north and east of Moreland

[] No Comment

[] See comment below

Comments: Favorable comment recommended.

Lorraine Bengtson
SEUALG

May 10, 2007

DATE

Helen Sadik-Macdonald - Shell Carbon Canal 5-12 Intermediate Cementing Program

From:

To:

Date: 5/17/2007 2:12 PM

Subject: Shell Carbon Canal 5-12 Intermediate Cementing Program

CC: , , ,

Helen-

As discussed, Shell will increase the intermediate hole section cement volume for whatever system we utilize to cover the Navajo formation. At this time we estimate 1400 sacks will be required and agree to increase the permit total to that amount. Lost circulation severity will determine the cement system to be used.

As noted, the offset records and all available information indicates there are no surface waters. That is why PWID recently installed a culinary water system in the area. The surface filler cement will generate enough compressive strength to project shallow permeable zones should the higher compressive strength tail cement column fail. Compressive strength data for the various cement recipes can be supplied if needed.

Thank you, Helen, for the feedback about the Navajo. We will include this information in the APDs to follow.

Best regards,

BL Browne

Well Engineer

Onshore Exploration

Shell Exploration & Production Company

700 Milam PNT 14082

Houston, TX 77002

+1 713-546-6457 Direct

+1 713-546-6458 Fax

+1 281-229-0867 Mobile

5/17/07
No Aleto Brown
1.77 ft/sx yield on
foamed lead cmt. in
intermed. string.

Helen Sadik-Macdonald - RE: Shell Carbon Canal 5-12 Intermediate Cementing Program

From:
 To:
 Date: 5/21/2007 8:16 PM
 Subject: RE: Shell Carbon Canal 5-12 Intermediate Cementing Program
 CC: , , ,

Helen-

The inquiry I had was for the intermediate casing (9-5/8" in 12-1/4" hole) only above the Navajo requiring the 1400 sks.

The production casing (5-1/2" in 8-1/2" hole) will only be cemented to about 7000'. We are trying to learn if this is a vertical or horizontal play. If horizontal, we will want to come back in, plug back, cut off the 5-1/2" and side track out of the 9-5/8". The 230 sks lead and 150 sks tail as described in our drilling program will allow us to do that with the 5-1/2" production string. The Navajo will be cemented behind the 9-5/8" intermediate string. I was assuming we will not have to cement the Navajo off behind two strings of casing.

We need to meet and discuss in greater detail if more than the proposed 7000' to 9000' of cement is required for the production string and the intermediate casing is cemented to above the Navajo. I believe all hydrocarbon bearing zones will be covered by cement and at least one casing string. If this is not your understanding, please advise.

I apologize for not putting the lead and tail cement intervals in the drilling plan and will include them in the future!

Best regards,

Barry

-----Original Message-----

From: Helen Sadik-Macdonald [mailto:HMACDONALD@utah.gov]
Sent: Thursday, May 17, 2007 4:00 PM
To: Browne, Barry SEPCO-EP-AMERICA
Cc: biran.carty@halliburton.com; abrown@norwestcorp.com; Flodberg, Ken D SEPCO; Dustin Doucet
Subject: Re: Shell Carbon Canal 5-12 Intermediate Cementing Program

Barry,

Reading your e-mail message again raises additional questions. When I spoke with Aleta, the 1400 sacks of cement was recommended for the lead cement on the production string. I will assume this is the case, with the tail staying the same at 150 sacks. Please notify me if otherwise. Thanks.

*Helen Sadik-Macdonald, CPG, PG
 Petroleum Engineering Services
 Utah Div. of Oil, Gas & Mining
 PO Box 145801
 Salt Lake City, UT 84114-5801*

801/538-5357 Desk
 801/359-3940 Fax

>>> On 5/17/2007 at 1:54 PM, in message <FAADF74E0B058447AA5183DB77489D57011E2F1B@houic-s-01100.americas.shell.com>, <Barry.Browne@shell.com> wrote:

Helen-

As discussed, Shell will increase the intermediate hole section cement volume for whatever system we utilize to cover the Navajo formation. At this time we estimate 1400 sacks will be required and agree to increase the permit total to that amount. Lost circulation severity will determine the cement system to be used.

As noted, the offset records and all available information indicates there are no surface waters. That is why

PWID recently installed a culinary water system in the area. The surface filler cement will generate enough compressive strength to project shallow permeable zones should the higher compressive strength tail cement column fail. Compressive strength data for the various cement recipes can be supplied if needed.

Thank you, Helen, for the feedback about the Navajo. We will include this information in the APDs to follow.

Best regards,

BL Browne

**Well Engineer
Onshore Exploration**

**Shell Exploration & Production Company
700 Milam PNT 14082
Houston, TX 77002**

**+1 713-546-6457 Direct
+1 713-546-6458 Fax
+1 281-229-0867 Mobile**

SWEPI LP



P. O. Box 576
Houston, TX 77001-0576

June 18, 2007

801-538-5315

Via overnight mail

State of Utah, Department of Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801

RECEIVED

JUN 20 2007

DIV. OF OIL, GAS & MINING

Attn: Brad Hill

RE: Supplement to Application for Permit to Drill
Carbon Canal 5-12 Well – SWNW-12-T16S-R10E
Emery County, Utah
Surface Use Agreement (UT-11081)

Dear Mr. Hill:

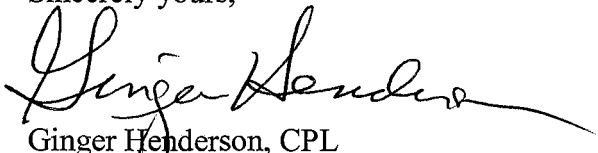
On April 24, 2007, SWEPI LP submitted to the State of Utah an Application for Permit to Drill its proposed Carbon Canal 5-12 Well located in the SW/4 NW/4 of Section 12, Township 16 South, Range 10 East, Emery County, Utah ("proposed well"). Prior to SWEPI LP submitting this application and in accordance with Paragraph (8) under Section 6 "Drilling and Development Provisions Pertaining to Oil and Gas Operations" of the Mineral Lease Number 49116 dated May 9th, 2003, SWEPI LP's representative, Daniel Davis, initiated discussions with the surface owner of those lands for the proposed well, the Corporation of the Presiding Bishop of the Church of Jesus Christ of Latter-Day Saints ("Church"), to settle damages that SWEPI LP estimated that it may incur while conducting its drilling and completion operations for the proposed well.

During the past two (2) months, SWEPI LP and its representatives have diligently pursued numerous efforts and discussions with the Church attempting to finalize reasonable terms for a Surface Use Agreement relative to the drilling and completion of the proposed well. Attached you will find an Affidavit by Daniel Davis containing a detailed summary of his continued efforts to pursue a reasonable settlement with the Church. To date, no such agreement has been finalized between SWEPI LP and the Church.

Mr. Brad Hill
State of Utah, Department of Natural Resources
Division of Oil, Gas and Mining
June 18, 2007
Page Two

SWEPI LP hereby requests, by submitting this letter and the attached Affidavit from Daniel Davis, the State of Utah consider contacting the Church and assist in determining a final resolution for a Surface Use Agreement between SWEPI LP and the Church. SWEPI LP does make this request today in an effort to obtain the State's timely approval for SWEPI LP's Permit to Drill the proposed well. Please give me a call @ 281-544-4637 upon receipt of this request to answer any questions relevant to this matter and to confirm receipt of this request.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Ginger Henderson", with a long horizontal flourish extending to the right.

Ginger Henderson, CPL
Staff Land Representative
Contracts & Joint Ventures

Attachment – Affidavit from Daniel Davis

AFFIDAVIT

State of Utah)
) SS
County of Carbon)

Comes now Daniel Davis and upon his oath, after being duly sworn, states as follows:

1. On about April 22, 2007, I sent a letter to Bob Stanton of the LDS church in order to initiate a negotiation for a surface use agreement for the purpose of drilling an oil and gas well on surface property of the LDS Church in Emery County Utah being in Section 12 of Township 16 South, Range 10 East, SLM.
2. On April 25, 2007, LaDell Bullock of the LDS church sent me an email asking for information so he could complete the surface use agreement.
3. I obtained the information LaDell needed and on May 10, 2007, sent it him.
4. On about May 14, I called LaDell and he said that Bob Stanton had been out of town, but he'd try to find the agreement and get it out quickly.
5. On May 16, 2007, I called LaDell again and he asked me to call Kelly Tryon, which I did and he said he'd have the agreement right out.
6. Later that day, May 16, 2007, I got the agreement and emailed it to Ginger Henderson with the following letter:
I've never seen anyone ask so much for surface use. They want \$5,000 per acre to drill the well and then \$1,000 per acre thereafter. There is no provision for sharing this with the lessee (the farmer) who is the one who will suffer the damages. The land is worth about \$100 to \$500 per acre but has a commercial value of about \$50 per acre. It is not irrigated and is very, very poor grazing land. The church is entitled to nothing for damages under Utah law.
7. On about May 21, 2007, I called Kelly to say that his proposal had taken me by surprise, that I thought the commercial value of the property was about \$50 per acre; that most of the damages of a drilling well would be sustained by the church's tenant who was not provided for in the agreement and could we talk about different provisions. Kelly asked me to contact Bob Stanton.
8. On May 22, I talked twice to Bob Stanton. The first time I told him the same things that I told Kelly above, in addition, I pointed out that the Church would suffer no reduction in their income from leasing the property to the farmer because of the drilling of an oil well to which Bob said it didn't matter. Bob maintained that since the church owned no minerals it would get nothing from the production and implied that therefore they had to get as much money as they could from this surface use agreement. I pointed out that the church would get 10% of the tithes from all the local profits, to which he laughed heartily indicating that he had appreciated the joke. He then said that the issue of the church's (non) loss of income didn't matter; that he was making us a good deal because the church was getting much more—at one point he said twice as much—from a similar well just seven miles north northwest of our location. I told Bob I'd tell Shell and get back. About an hour after he called again and made the same arguments for why the church should get so much.
9. On June 4, 2007, I had another conversation with Bob Stanton, as follows: I pointed out the fact that the church did not buy minerals with the land, that the reservation of the minerals occurred much earlier in the chain of title and that this reservation reserved the right to enter the land and explore for and produce oil and gas; that therefore the only right the church has to any damages for reasonable use of their surface is the language in the oil and gas lease specifying that: the Lessor must: "(R)eimburse the owner ... of the surface ... for actual damages...." I explained that the church's actual damages are many, many times less than the amount they are asking for in their proposed agreement. Bob said that the Utah oil and gas lease did not create obligations in the church because the church was not a party to it and that the amount he was asking for was the same that he has been getting in this area and that created a precedent that he couldn't violate. I asked him for a copy of those agreements and he said

they were confidential. I said it was my opinion that Shell is not obligated to pay the church anything for entry because the church bought the land subject to the mineral owner's right to come on to the land and drill for and produce oil and gas. I did this firmly and without rancor. I got the feeling that Bob was not used to people disagreeing with him. Bob said again that we had to get a surface use agreement and therefore we were stuck with his terms. I said there was no obligation to get a surface use agreement. Bob insisted that that was not true that on their other wells, the companies had to get surface use agreements. I said that those were on lands where the church gave the oil and gas lease and those leases probably had a requirement for a surface use agreement and in that case the church had a lot more leverage; but in this case, the church was only entitled to actual damages. Bob disagreed vigorously saying he didn't have to let us on. I respectfully asked him to consult with his attorney, that I did not think he was correct in his analysis. He agreed to do this and we agreed to talk again in a week.

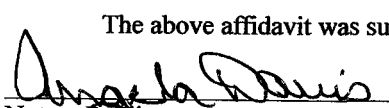
10. On June 4, 2007, Bob Stanton faxed me an agreement the church had with another company. In this agreement the church was getting \$7,500 per wellsite—not per acre as above—on a one-shot payment, in other words, no monthly payments. Based on this I decided to make another attempt to make a deal with the church and on June 6, 2007, I sent ^{Shell's} ~~the attached~~ proposed agreement to him, which in my opinion provided for expansive damages.
11. On June 14, 2007, the church countered again in an email letter from LaDell Bullock with terms very close to the terms specified in paragraph 6 above. This agreement provided damages of \$17,500 for the first location, or about 100 times more than the church's actual damages. In my opinion, the church is not negotiating in good faith.

This concludes the sworn statement. Dated ^{June 14} ~~May 23~~, 2007.

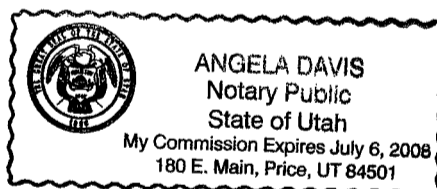

Daniel Davis

State of Utah)
) SS
County of Carbon)

The above affidavit was subscribed and sworn to before me this 14 day of ^{June} ~~May~~, 2007.


Notary Public

My commission expires: 7-6-2008



From: Aleta A. Brown <abrown@norwestcorp.com>
To: <dustindoucet@utah.gov>
Date: 6/26/2007 1:08 PM
Subject: Revision to Shell Carbon Canal 5-12 APD
Attachments: MODIFIED DOGM APD Form, well 5-12, 6-25-07.pdf

CC: <richard.w.lewis@shell.com>, <Barry.Browne@shell.com>
Dustin,

As we discussed yesterday attached are the pages of the revised Carbon Canal 5-12 APD reflecting depth changes and the use of Tritium. The surface casing changed from 900' to 1,000' and the permitted depth from 9,000' to 9,400'. Shell also added the option to use Tritium in the core interval.

Please let me know if you have any questions.

Thanks!

Aleta Brown
Environmental Specialist
Norwest Corporation
136 E. South Temple, 12th Floor
Salt Lake City, UT 84111
801-539-0044
Fax 801-539-0055

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO: ML-49116	6. SURFACE: Fee
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: SWEPI LP				9. WELL NAME and NUMBER: Carbon Canal 5-12	
3. ADDRESS OF OPERATOR: 200 N. Dairy Ashford CITY Houston STATE TX ZIP 77079				10. FIELD AND POOL, OR WILDCAT: Wildcat	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 649 FWL, 2127 FNL AT PROPOSED PRODUCING ZONE: same				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 16S 10E S	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 6.5 miles to Wellington				12. COUNTY: Emery	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 649'		16. NUMBER OF ACRES IN LEASE: 1664.80		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) NA		19. PROPOSED DEPTH: 9,400		20. BOND DESCRIPTION: State Bond #6128698	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5569.3' GR		22. APPROXIMATE DATE WORK WILL START: 6/25/2007		23. ESTIMATED DURATION: 40 days	

24. PROPOSED CASING AND CEMENTING PROGRAM					
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17-1/2"	13-3/8"	K-55	54.0#/ft	1,000	See attached page 2
12-1/4"	9-5/8"	N-80	43.5#/ft	7,700	See attached page 2
8-1/2"	5-1/2"	P-110	20.0#/ft	9,400	See attached page 3

RECEIVED
JUN 26 2007

25. ATTACHMENTS	
DIV. OF OIL, GAS & MINING	
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:	
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) <u>B. O. Eubanks</u>	TITLE <u>Attorney-in-Fact</u>
SIGNATURE <u><i>B. O. Eubanks</i></u>	DATE <u>4/24/2007</u>

(This space for State use only)

API NUMBER ASSIGNED: 43-015-30709

APPROVAL:

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: 07-23-07
By: *[Signature]*

T16S, R10E, S.L.B.&M.

R
10
E

1969 Brass Cap
0.5' High, 3"x4"
Cedar Post on
Ground

S89°34'50"W - 2646.81' (Meas.)

S89°32'W - 2646.60' (G.L.O.)

2005 Alum. Cap
0.3' High

N00°12'17"W -
1322.05' (Meas.)

2127'

1969 Brass
Cap 0.6'
High

N00°15'37"W -
1322.18' (Meas.)

649'

CARBON CANAL #5-12
Elev. Ungraded Ground = 5570'

1969 Brass Cap
0.6' High, Stones
Around Cap

N00°16'W - 2644.62' (G.L.O.)

12

N00°14'W - 5301.12' (G.L.O.)

S89°42'W - 5293.20' (G.L.O.)

LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(AUTONOMOUS NAD 83)

LATITUDE = 39°26'57.51" (39.449308)

LONGITUDE = 110°45'22.94" (110.756372)

(AUTONOMOUS NAD 27)

LATITUDE = 39°26'57.63" (39.449342)

LONGITUDE = 110°45'20.37" (110.755658)

SWEPI LP

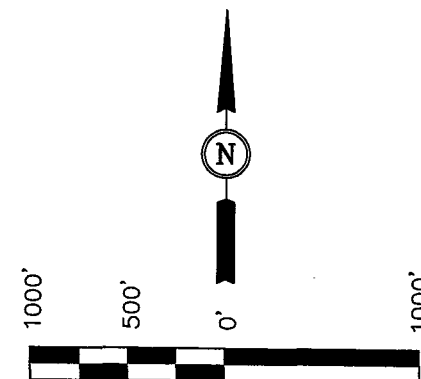
Well location, CARBON CANAL #5-12, located as shown in the SW 1/4 NW 1/4 of Section 12, T16S, R10E, S.L.B.&M., Emery County, Utah.

BASIS OF ELEVATION

BENCH MARK (17FMK) LOCATED IN THE EAST 1/2 OF SECTION 6, T16S, R11E, S.L.B.&M., TAKEN FROM THE OLSEN RESERVOIR QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 5449 FEET.

BASIS OF BEARINGS

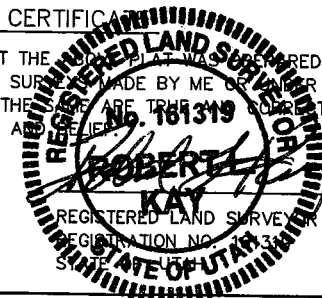
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

CERTIFICATION

THIS IS TO CERTIFY THAT THE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE INFORMATION IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REVISED: 04-23-07

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 04-09-07	DATE DRAWN: 04-17-07
PARTY B.B. T.R. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE SWEPI LP	

SURFACE ACCESS AND USE AGREEMENT

This **SURFACE ACCESS AND USE AGREEMENT** ("Agreement") is executed this 19th day of July, 2007, by and between the **Corporation of the Presiding Bishop of the Church of Jesus Christ of Latter-Day Saints**, a Utah Corporation Sole, with an address of 139 East South Temple Street, Suite 110, Salt Lake City, Utah 84111 ("Owner"), and **SWEPI LP**, with an address of 200 North Dairy Ashford, Houston, TX 77079.

RECITALS:

A The State of Utah, as mineral owner, granted unto Craig Settle, Lessee, certain rights under the Oil, Gas and Hydrocarbon Lease No. ML-49116 dated May 9th, 2003 ("Subject Lease"), recorded in Book 306, Page 900, of Emery County, Utah, which rights affect 1,664.80 acres, more or less. SWEPI LP, as Operator and successor Lessee under that Oil, Gas & Associated Hydrocarbons Lease Assignment Form executed September 27, 2006 by Craig Settle, as Assignor, recorded under Entry No. 376592 of Emery County, Utah, is the current leasehold owner of the Subject Lease.

B. Owner owns record title to the surface estate on the following described lands ("Subject Lands") being a portion of the Subject Lease:

TOWNSHIP 16 SOUTH - RANGE 10 EAST
SECTION 12: NORTH HALF

C. SWEPI LP intends to drill the Carbon Canal 5-12 Well ("Subject Well") to be situated on the Subject Lands ("Well-Site"), a plat of the Well-Site is attached hereto and made a part hereof as **Exhibit A**, which Well-Site will include typical oil and gas exploration and production equipment and facilities. In connection with accessing, drilling and operating the Subject Well, SWEPI LP will utilize a portion of the Subject Lands to construct and maintain an access road crossing the Subject Lands ("Access Road ROW") to the Well-Site.

D SWEPI LP and Owner desire to enter into an agreement that memorializes their discussions and agreements regarding SWEPI LP's access to and use of the surface estate of the Subject Lands for the drilling of the Subject Well and any future wells drilled by SWEPI LP on the Subject Lands.

E Owner has leased the surface estate to William Dale Mathis ("Tenant") and Tenant and Owner have reached an agreement to the sharing of the compensation provided in Section 3 below. SWEPI LP shall make all cash payments hereunder to Owner, unless instructed otherwise, and Owner and Tenant shall have responsibility for the sharing of such payments. The Tenant shall execute this Agreement, consenting to its terms and provisions. SWEPI LP shall provide a copy of all notices to the Owner and the Tenant until SWEPI LP is notified by the Tenant and the Owner that the Tenant agreement has terminated (or a new tenant of the property exists).

AGREEMENT:

NOW THEREFORE, in consideration of the mutual promises set forth herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

1. **Term of Grant.** Rights granted by this Agreement shall continue until the rights of SWEPI LP, its successors or assigns, to explore for, develop, extract or produce oil, gas and other hydrocarbons from the Subject Lands, permanently and irrevocably terminates.
2. **Right of Occupancy; Grant of Right of Ways.** The parties hereto desire to establish the location of the surface uses required by SWEPI LP to drill and operate the Subject Well, and extract and transport resources therefrom. To that end, Owner hereby grants SWEPI LP, its affiliates, its and their employees and designated agents, and its successors and assigns, a private right-of-way to use that portion of the surface of the Subject Lands for the Well-Site and Access Road ROW as depicted on Exhibit "A" and for any future wells and rights-of-way necessary for SWEPI LP to prudently conduct its operations on the Subject Lands. In the event additional rights-of-way must be installed, SWEPI LP shall give Owner, or its successors and assigns, reasonable advance notice thereof.
3. **Compensation for Agreement.** In accordance with the Subject Lease, under paragraph 6.(8), page 6, and as consideration for the execution of this Agreement, SWEPI LP shall pay to Owner, a one time payment of \$5,000.00 at the time of the signing of this Agreement, as payment for full reimbursement for all actual damages to the surface of the Subject Lands for the Well Site and for the Access Road ROW as depicted on Exhibit "A", which payment is inclusive of any additional rights-of-way necessary for SWEPI LP to conduct all of its operations for this Well Site.

In addition, it is hereby agreed between all parties that any future wells drilled by SWEPI LP on the Subject Lands, that SWEPI LP will issue an additional payment in the total amount of \$5,000.00 per Well Site to Owner as reimbursement for actual damages to the surface of the Subject Lands for each additional Well-Site, which payment will include all rights for any necessary rights-of-way required for SWEPI LP to conduct all of its future operations in accordance with the Subject Lease. Should any actual damages to the surface for any additional Well-Site exceed the amount of \$5,000.00, it is hereby agreed that SWEPI LP shall reimburse to Owner a reasonable amount for those actual damages in excess of the \$5,000.00 per Well-Site payment mentioned hereinabove caused by SWEPI LP's operations on the Subject Lands.

Owner shall procure that any new Tenant of Owner shall be bound by this Agreement and that no further compensation, except as provided hereinabove, shall be due by SWEPI LP to Owner and Tenant for any Well-Site and rights-of-way to be situated on the Subject Lands.

4. **Pipelines.** SWEPI LP shall have the right to lay any oil, gas and utility pipelines in accordance with the Subject Lease and no further compensation shall be due hereunder. SWEPI LP hereby agrees to bury, at least 4 feet below ground, all natural gas pipelines (and other utilities lines) where SWEPI LP determines, after consulting with Owner, to be reasonable, necessary and practical.

5. Indemnification.

- (a) Owner, its successors and assigns, does hereby agree to relieve, release, indemnify, and hold SWEPI LP harmless and agree to defend SWEPI LP from any claim of damage to any person or property arising out of use of the Access Road ROW or the Subject Lands, including the bridging of any pipeline, by Owner, its successors, assignees, invitees, and licensees, for damages proximately caused by Owner, its successors, assigns, invitees, and licensees, which damages include specifically but without limitation, all damages sounding in tort (whether by way of nuisance, trespass, ultrahazardous activity or otherwise) and/or involving environmental contamination and its incident response, compensation or liability, and also including all expenses, reasonable attorneys' fees, court costs, and witness fees, and other monies expended by or incurred by SWEPI LP or its agents, in the event it shall become necessary for SWEPI LP or its agents to defend themselves from any claims made by anyone as a result of the use of the Well-Site or the Access Road ROW and any future wells and rights-of-way, including the crossing of any pipeline, by Owner, its successors, assigns, invitees, and licensees, but not otherwise.
- (b) SWEPI LP, its successors and assigns, hereby agree to relieve, release, indemnify, and hold harmless and agree to defend Owner, its managers, members, successors, assigns, employees, agents, invitees, and licensees from any and all claim of damage to any person or property arising out of use of the Subject Lands for operations by SWEPI LP or its agents for damages proximately caused by SWEPI LP or its agents, which damages include specifically but without limitation, all damages sounding in tort (whether by way of nuisance, trespass, ultrahazardous activity or otherwise) and/or involving environmental contamination and its incident response, compensation or liability, and also including all expenses, reasonable attorneys' fees, court costs, witness fees, and other monies expended by or incurred by Owner, its managers, members, successors, assigns, employees, agents, invitees and licensees in the event it shall become necessary for Owner, its managers, members, successors, assigns, employees, agents, invitees and licensees to defend themselves from any claims made by anyone as a result of SWEPI LP's operations, on, across or over the Subject Lands, but not otherwise. SWEPI LP agrees specifically to comply with all lawful and applicable federal, state, tribal, and local environmental regulations now or prospectively in effect upon the Subject Lands.
6. **Notices and Payment.** Notices shall be in writing and shall be given to SWEPI LP and Owner at the addresses set forth in the introductory paragraph hereto, or to such address as either party may designate to the other in writing not less than thirty (30) days before that event which triggers notices.
7. **Rehabilitation and Restoration.** Upon termination of this Agreement, SWEPI LP shall restore the Subject Lands to as near as possible to their original condition prior to construction in accordance with acceptable industry practices and in compliance with the Subject Lease and all applicable laws and regulations in effect at the time of restoration. Following the abandonment of any well site or any well site where SWEPI LP does not discover oil or gas of commercial quality or quantity, and determines it to be a "dry hole", and SWEPI LP elects to abandon that well site, SWEPI LP shall fill in, smooth over and clean up the site and right-of-ways and shall restore and reseed said area after replacing the topsoil. Dry hole markers shall be installed when necessary and shall be buried below plow depth unless otherwise agreed or required by law. All clean-up and restoration requirements shall be completed by SWEPI LP within six (6) months after termination of plugging the last well on a location (weather and surface conditions and regulatory

agencies permitting). SWEPI LP shall endeavor to minimize its impact upon the surface, the wildlife, the natural vegetation and the agricultural uses. The following are specific requirements and are not a limitation upon the duty of SWEPI LP. SWEPI LP shall inform all its affiliates, employees, agent, consultants, and contractors of its duty to mitigate prior to the entry of such people. SWEPI LP shall have the right to use necessary space outside of any right-of-way for repairs.

- a) Soils. SWEPI LP shall reasonably endeavor as a prudent operator to keep all equipment clean prior to its entry and free of any foreign plant or soil material. SWEPI LP shall prudently endeavor to maintain such equipment to be free of oil or fluid leaks.
 - b) Fences. SWEPI LP shall fully restore and replace any and all damage done to any fences of Owner cut or otherwise damaged in exercising any of the rights granted hereby. SWEPI LP shall not construct any gates or allow others to enter upon the lands of the Owner whether owned or leased, other than the agents or representatives of the SWEPI LP or its affiliates or members of any and all regulatory agencies, without prior approval of Owner which approval shall not be unreasonably withheld.
 - c) Vegetation. All reseeding shall be done with suitable grasses selected by the Owner. Reseeding shall be done at the rate of not less than 12# per acre. No reseeding (except for barrow pits) will be required on any access road. Owner shall work reasonably with SWEPI LP on any reseeding jobs. SWEPI LP shall use reasonable measures to insure that a growing ground cover is established upon the disturbed soils. It shall further be the duty of the SWEPI LP to inspect and control all noxious weeds as may become established within areas used by SWEPI LP within six (6) months after termination of the plugging of the last well on a location. SWEPI LP shall inspect the right-of-way in the months of July and August for such growth and use appropriate control measures.
 - d) Cattle Guards. SWEPI LP shall install new cattle guard(s) or furnish adequate upgrades to any existing cattle guard(s) at such time that SWEPI LP deems such equipment to be necessary and reasonable for adequate access and entrance to SWEPI LP's operational activities on the Subject Lands.
8. **No Storage or Repair of Equipment.** SWEPI LP shall not allow any construction equipment or materials to be stored on Owner's property beyond thirty (30) days after completion of construction, unless approved, in advance, by Owner. SWEPI LP, as a prudent operator, shall endeavor to maintain clean, neat and orderly roads at all times. No construction equipment shall be repaired or maintained upon the property of the Owner, except in the case of emergencies or to prevent damage to the Subject Lands or neighboring properties. No motor fluids will be disposed of on the property of Owner.
9. **Fire.** Any fires caused by SWEPI LP's personnel, agents, or assigns, shall be paid for at the rate of \$50 per acre for rangeland burned, market value per acre for crops destroyed and for each tree destroyed.
10. **No Weapons, Drugs, Alcohol and Dogs.** SWEPI LP shall not permit or allow its affiliates, agents, employees, successors or assigns to carry any firearms, crossbows or other weapons while on Owner's lands. SWEPI LP, its affiliates, agents, employees, successors or assigns are not permitted to hunt on said premises. SWEPI LP, its affiliates, agents, employees, successors or

assigns are not permitted to consume, be under the influence of or possess alcohol or drugs on said premises. SWEPI LP, its affiliates, agents, employees, successors or assigns are not permitted to have dogs upon the premises.


11. **Notice of Repairs or Damage.** Except in cases of actual emergency, Owner may notify SWEPI LP in writing of any necessary cleaning or repairs to fences and/or other property of Owner and shall allow SWEPI LP a reasonable time, not to exceed thirty (30) days after notification, to perform the necessary cleaning or repairs, failing in which Owner may cause the same to be cleaned or repaired, and shall be compensated by SWEPI LP at the Owner's actual cost but at no more than the prevailing rate in the area for similar work.
12. **Governing Law.** The laws of the State of Utah shall control the rights of the parties under this contract.
13. **Waiver.** By signing this Agreement, neither party waives its statutory and common law rights to occupancy and enjoyment of their respective estates, except as expressly provided in this Agreement.
14. **Amendment.** This Agreement constitutes the entire Agreement between the parties pertaining to the subject matter contained in it and supersedes all prior and contemporaneous agreements, representations, and understandings of the parties with respect thereto. No supplement, modification, or amendment of this Agreement shall be binding unless executed in writing by all parties.
15. **Counterparts.** This Agreement may be executed in counterparts. Each counterpart shall constitute an original and all counterparts together shall constitute one and the same document. Receipt by party hereto of an executed copy of this Agreement by facsimile shall constitute conclusive evidence of execution and delivery of the Agreement by the signatory thereto.
16. **Assignment of Rights.** All rights and obligations under this Agreement shall run with the Subject Land and shall inure to the benefit of and be binding upon the heirs, successors, or assigns of each party. The parties hereto agree to execute a memorandum of this Agreement, which shall be in form sufficient to record in the Emery County real property records, in the form attached hereto as **Exhibit B**.

[Signatures on the following page]

Dated effective as of the date first written above.

OWNER:


**THE CORPORATION OF THE PRESIDING BISHOP OF
THE CHURCH OF JESUS CHRIST
OF LATTER-DAY SAINTS**

By: 
Name: PAUL C. GENHO
Title: Authorized Agent

SWEPI LP

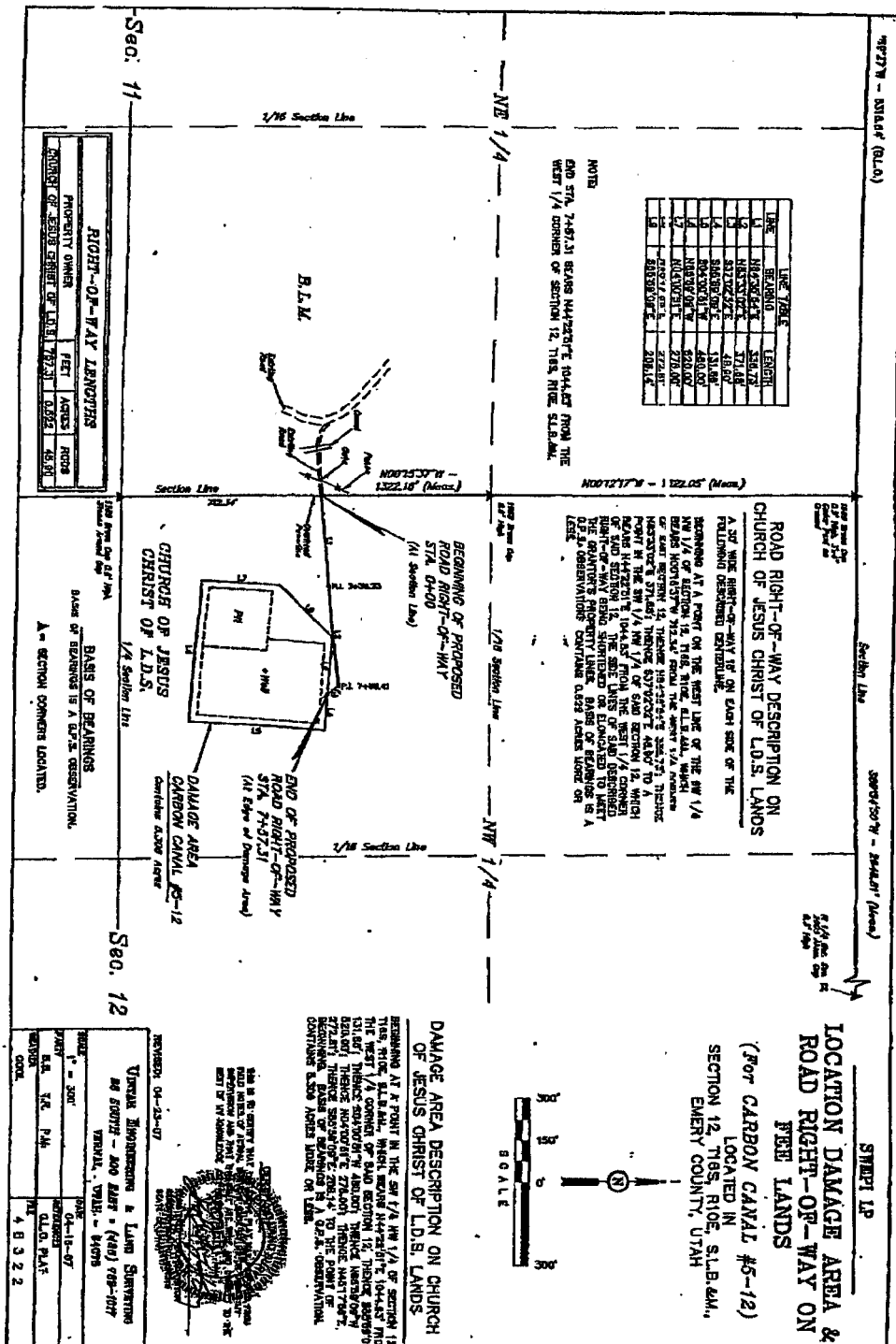
By: _____
B. O. Eubanks, Attorney-in-Fact

The undersigned Tenant has leased the Subject Lands from the Owner, and has read and understands this Agreement and the Subject Lease. The undersigned Tenant hereby consents and agrees to the terms and provisions of this Agreement (including the Recitals) and the Subject Lease, and agrees that Tenant shall cooperate with SWEPI LP and not interfere with the surface rights granted to SWEPI LP under this Agreement and the Subject Lease. Tenant specifically agrees that SWEPI LP's payment to Owner, as set forth in Section 3 hereinabove, includes all of Tenant's share of compensation due from SWEPI LP under the terms of the Subject Lease, and Tenant hereby releases SWEPI LP from any liability for failure of Owner to pay Tenant its proportionate share of the total compensation as discussed in Section 3 herein. Tenant agrees to execute such documents as SWEPI LP may require to effect the intent of the parties to this Agreement and the Subject Lease.


William Dale Mathis, Tenant of the Subject Lands

July

ATTACHED HERETO AND MADE A PART HEREOF TO THAT CERTAIN SURFACE ACCESS AND USE AGREEMENT EXECUTED THIS 19th DAY OF 1, 2007, BY AND BETWEEN THE CORPORATION OF THE PRESIDING BISHOP OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, AS OWNER, AND SWEET LP.



SWEPI, LP

**Well Name – Carbon Canal 5-12
SWNW, 2,127 FNL & 649 FWL
Section 12, Township 16 South, Range 10 East
Emery County, Utah
Lease #49116**

**DRILLING PLAN
13-5/8" BOP Stack**

1. ESTIMATED FORMATION TOPS:

<u>Formation</u>	<u>Depth</u>
Holocene	Surface
Dakota	92'
Navajo	2,900'
Chinle <i>Cocconino ~ 5000</i>	3,800'
Kaibab	5,300'
Manning Canyon	7,800'
Humbug	8,600'
Permit Depth	9,400'(MD)

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS BEARING FORMATIONS:

Navajo	2,900' – 3,100'	Oil/Water
Chinle	3,800' – 4,200'	Water
Kaibab	5,300' – 5,700'	Water
Manning Canyon	7,800' – 8,600'	Gas
Humbug	8,600' – 9,400'	Water

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- A. A-Section Casing Head to be 13-5/8" 5M.
B-Section Casing Head to be 13-5/8" 5M x 11" 10M.
- B. 13-5/8" 5M BOP stack, initial BOP test will be: Rams to 5,000psi/250psi and 5M annular 2500psi/250psi. Formation Integrity Tests will be performed at each casing point to the maximum anticipated mud weight equivalent expected at the next casing point.
- C. All BOP equipment will be rated at 5,000 psi working pressure – except for the annular which will be rated to 2500 psi. Pressure control equipment shall consist of but not be limited to the following:
- Rotating Head
 - Spherical type annular preventer
 - 2 Hydraulic pipe rams
 - 1 Hydraulic blind ram
 - Drilling spool with two side outlets
 - 3" or 4" diameter choke line
 - HCR choke line valve
 - Manual choke line valve
 - Two kill line valves and check valve

- Choke manifold consisting of three chokes (at least one manual choke and one remote controlled choke) with full opening block valves for component isolation
 - Upper kelly cock valve
 - Lower kelly cock valve
 - Safety valve and subs to fit all drill string connections in use
 - Appropriately sized accumulator for BOP system
 - Remote control panel for BOP stack located on rig floor
 - Remote control panel for hydraulic choke located on rig floor
 - Inside BOP or Float Sub
 - Wear Bushing
- D. All pressure control equipment will be installed, tested and operated in compliance with 43 CFR Part 3160 of the Federal Register.
- E. All casing strings below the conductor shall be pressure tested to 0.22 psi/ft or 1500 psi, whichever is greater, not to exceed 70% of the internal yield of the casing.
- F. Pit volumes will be visually monitored. A flow indicator with a floor monitor panel will be utilized.
- G. A rotating head and gas buster will be utilized to drill with air/mist/foam and lower mud weights to minimize costs and formation damage.
- H. An electrical/mechanical mud monitoring equipment will be used, which shall include as a minimum: pit volume totalizer (PVT), stroke counter, and flow sensor.
- I. The State of Utah Division of Oil, Gas, and Mining will be notified 24 hours in advance of all BOP pressure tests, and casing and cementing operations.

4. **CASING AND CEMENTING PROGRAM:**

- A. All casing run and set will be new and unused.

- B. Surface Casing:

17-1/2" hole size, 1,000'(TVD), 1,000'(MD)±, 13-3/8", 54.0#/ft., K-55, STC

Lead: 150 sacks Halliburton Premium Plus – Type III, 0.125#/sk Poly-E-Flake (Lost Circulation Additive), 5 #/sk Gilsonite, 4.31 ft³/sk Yield, 10.5 PPG.
800'± to cement surface.

Tail: 200 sacks Halliburton Premium Plus, 1% Calcium Chloride (accelerator), 0.125#/sk PolyOE-Flake (Lost Circulation Additive), 1.19 ft³/sk yield, 15.6 PPG.
1,000'± to 800'±.

Perform 1" top job, tail slurry blend if cement falls back.
Cement circulated to surface.
Above volumes assume 50% excess over gauge hole.
No caliper log will be run on this section of hole.

- C. Intermediate Casing:

12-1/4" hole size, 7,700(TVD), 7,700(MD)±, 9 5/8", 43.5#/ft (or heavier), N-80 (or higher grade), LTC

Lead: 1,400 sacks Halliburton Foamed Cement 50/50 Poz Premium, 0.3% Halad(R)-344 (Low Fluid Loss Control), 0.2% Versaset (Thixotropic

Additive), 3#/sk Silicatite Compacted (light Weight Additive), 0.35% HR-61 (Retarder), 1.5% Zonesealant 2000 (Foamer), 1.25 ft³/sk yield, 14.3 PPG foamed to 10.5 PPG.

Tail: 270 sacks Halliburton 50/50 Poz Premium (Unfoamed), 0.3% Halad(R)-344 (Low Fluid Loss Control), 0.2% Versaset (Thixotropic Additive), 3#/sk Silicatite Compacted (light Weight Additive), 0.35% HR-61 (Retarder), 1.5% Zonesealant 2000 (Foamer), 1.25 ft³/sk yield, 14.3 PPG.

NOTE: Actual cement volumes assume 25% excess over gauge hole volume. All hydrocarbon bearing sands to be covered with cement.

D. Production Casing:

8 1/2" hole size, 9,400' (MD), 5-1/2", 20.0#/ft., P-110, LTC-M

Lead: 230 sacks Halliburton Light Premium, 25.9 #/sk Pozmix A (Light Weight Additive), 6% Brentonite (light Weight Additive), 0.2% Super CBL (Gas Migration Control), 0.4% Halad(R)-344 (Low Fluid Loss Control), 0.4% HR-5 (Retarder), 1.74 ft³/sk Yield, 13.0 PPG.

Tail: 150 sacks Halliburton Premium, 0.2% Super CBL (Gas Migration Control), 0.2% Halad(R)-344 (Low Fluid Loss Control), 0.2% HR-688 (Retarder), 1.157 ft³/sk Yield, 15.8 PPG.

NOTE: Actual cement volumes assume 25% excess over gauge hole volume. All hydrocarbon bearing formations to be covered with cement.

5. **DRILLING MUD PROGRAM:**

- A. Air/mist/foam, fresh water, and low solids nondispersed unweighted and/or weighted muds will be utilized. All mud types will be fresh water based. Adequate stocks of supportive agents and other materials will be stored on site during the drilling operation. Barite will be used for weighting material. No more than 2,000 barrels of mud will be used subject to circulating loss.

The anticipated fluid/mud requirements with respect to interval follow:

Surface thru 1,000' Fresh water with gel/polymer sweeps as required.

Mud Weight: 8.3 to 11.0 ppg

1,000' to 7,700' Air/mist/foam until hole loads up with water. Follow with fresh water with gel/polymer sweeps as required. Weight up as required to control any influx. No water loss control.

Mud Weight: 8.3 to 9.3 ppg

7,700' to TD A low solids nondispersed weighted mud will be utilized with barite as the weight material. Weight up as required to control gas. API Fluid Loss to be less than 10cc

Mud Weight: 9.2 to 9.5 ppg

6. **TESTING, LOGGING AND CORING PROGRAM:**

- A. The primary objectives are the Navajo and deeper intervals.

- B. No DST is anticipated; however, an unexpected show of interest may dictate otherwise. SWEPI and partners will inform the authorized official of any DST.
- C. A minimum 90' coring of the objective formation is anticipated.
- D. The minimum anticipated electric logging schedule is as follows:

INTERMEDIATE HOLE: Schlumberger Platform Express/AIT/DSI

PRODUCTION HOLE: Schlumberger Platform Express/AIT/DSI

- E. Surveys will be run every 1000' and on trips, inclination only.
- F. 30' to 50' samples from surface to TD will be taken. Samples from all show intervals will be preserved.
- G. Tritiated water will be added to the mud system in order to determine the amount of invasion that occurs within different lithologies of the retrieved core. Percent used: 750 pCi/ml. Intervals added: The tritiated water will be in the mud system during the manning canyon section (where core will be taken). The tritiated water may be added in the interval prior for conditioning (Pennsylvanian) and will still be present in the interval below (Humbog).

113 mCi (micro Curries) of tritiated water will be added to the mud system prior to coring, based on these assumptions:

- 1) Total volume: 1000 bbl
- 2) Percent solids: 5%
- 3) Target peak concentration: 750 pCi/ml (pico Curries per milliliter)

If the total volume of mud or the percentage of solids increased, additional tritiated water will be added; however, the Target peak concentration will remain the same (750 pCi/ml).

7. **ABNORMAL PRESSURE OR TEMPERATURE:**

- A. No abnormal pressures are anticipated. A 230 F static bottom hole temperature is anticipated.
- B. Hydrogen Sulfide gas is not expected based on offset well information. While drilling offset wells that penetrated objective horizons, no potential hazards were encountered.
- C. The maximum anticipated bottom hole pressure is approximately 4300 psi and equals 9.2 ppg mud weight times 0.052 times the true vertical depth of 9,400'.
- D. The maximum anticipated surface pressure is approximately 2300 psi and equals the maximum anticipated bottom hole pressure minus the pressure of a partially evacuated hole with an equivalent pressure gradient of 0.22 psi/ft at 9,400' total vertical depth.
- E. A pilot hole will be drilled and 150 bbls of 11.0 PPG pre-mixed water based mud will be available to eliminate any hazard from shallow gas (<900').

- F. Existing Wells – No wells are located within one mile of the proposed well site. According to the Division of Water Rights there are no water wells within a one mile radius of the proposed well site.
- G. Production Facilities and Pipelines – Production facilities or pipelines could be at this well site depending on the results. Additional information will follow in a success case.
- H. Source of Construction Material – Gravel to surface roads will be purchased by local providers. Cut and fill will be balanced to eliminate the need to bring in or haul off materials.
- I. Ancillary Facilities – Approximately five housing trailers along with garbage containers and portable toilets are proposed to be located on this well site.
- J. Waste Management Plan – All waste associated with this application will be contained and disposed of utilizing approved facilities. Drill cuttings will be contained and buried on site. Trash will be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. Produced wastewater will be disposed of at a State approved disposal facility. Sanitary facilities will be onsite at all times during operations. Sewage will be placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed contractor.
- K. Affected Floodplains/Wetlands – No floodplains, streams, drainages, and/or wetlands will be affected by the well site. Proper sediment control measures will be in place prior to ground disturbance and maintained to prevent transport of sediment. Access to the site will require crossing an existing water canal. This crossing will be upgraded to prevent damage to the canal.
- L. Flora/Fauna – Common plants at the well site include sagebrush, saltbrush, and grasses.
- M. Reserve Pits – A reserve pit 14 feet deep will be located in the south-west corner of the well pad. The pit, 220 feet x 225 feet, will be lined with 12 mil minimum thickness plastic nylon reinforced liner material. Pit walls will be sloped no greater than 2:1. A minimum of 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operations.

SWEPI LP
CARBON CANAL #5-12
LOCATED IN EMERY COUNTY, UTAH
SECTION 12, T16S, R10E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: EASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

U
E
L
S Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

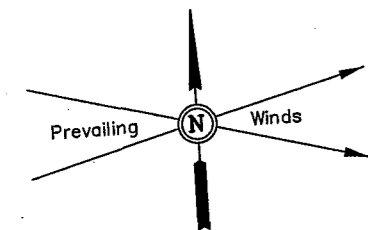
04 **18** **07**
MONTH DAY YEAR

PHOTO

TAKEN BY: B.B.

DRAWN BY: C.P.

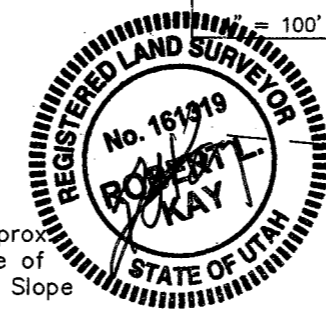
REV: 04-23-07 P.M.



SCALE: 1" = 60'
DATE: 04-17-07
Drawn By: P.M.
Revised: 04-23-07

SWEPI LP
LOCATION LAYOUT FOR
CARBON CANAL #5-12
SECTION 12, T16S, R10E, S.L.B.&M.
2127' FNL 649' FWL

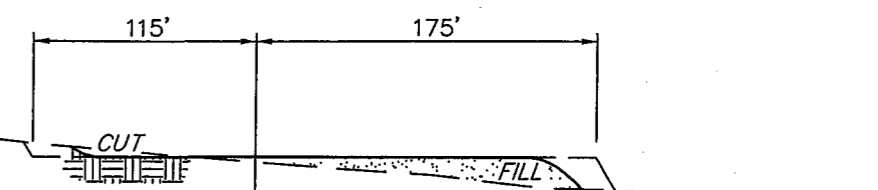
FIGURE #1



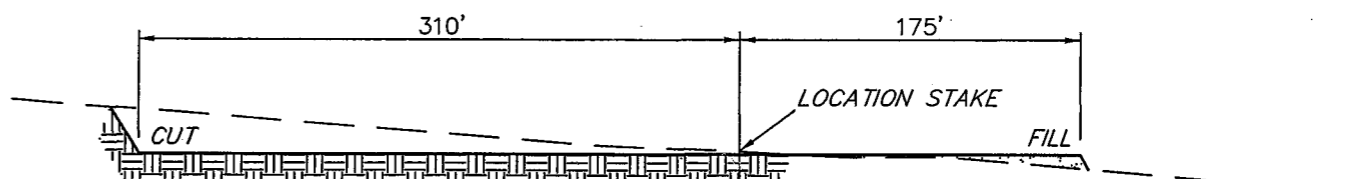
Approx. Toe of Fill Slope

X-Section Scale
1" = 40'

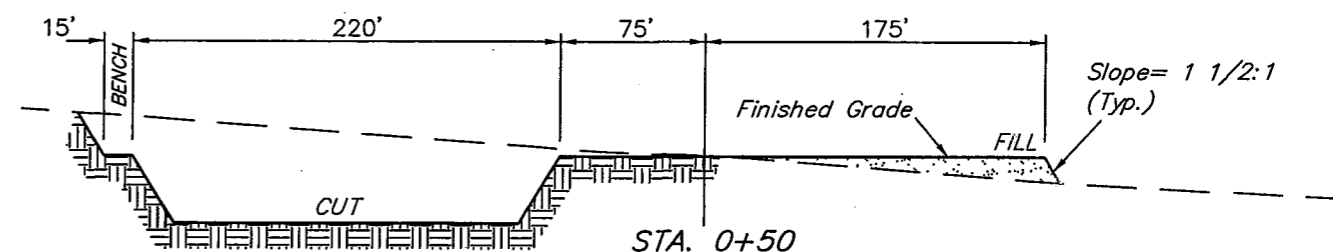
1" = 100'



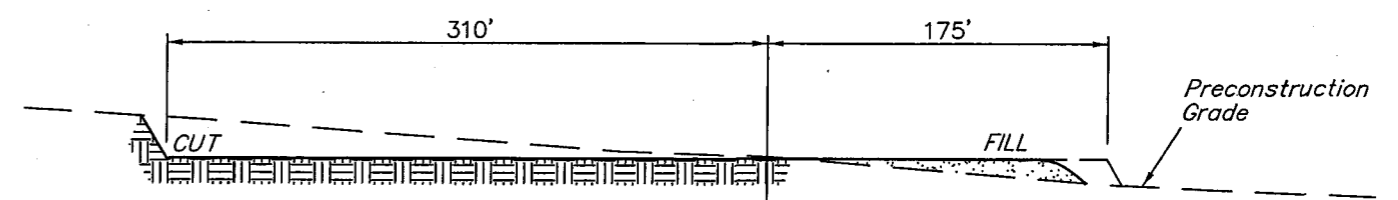
STA. 4+30



STA. 2+25



STA. 0+50



STA. 0+00

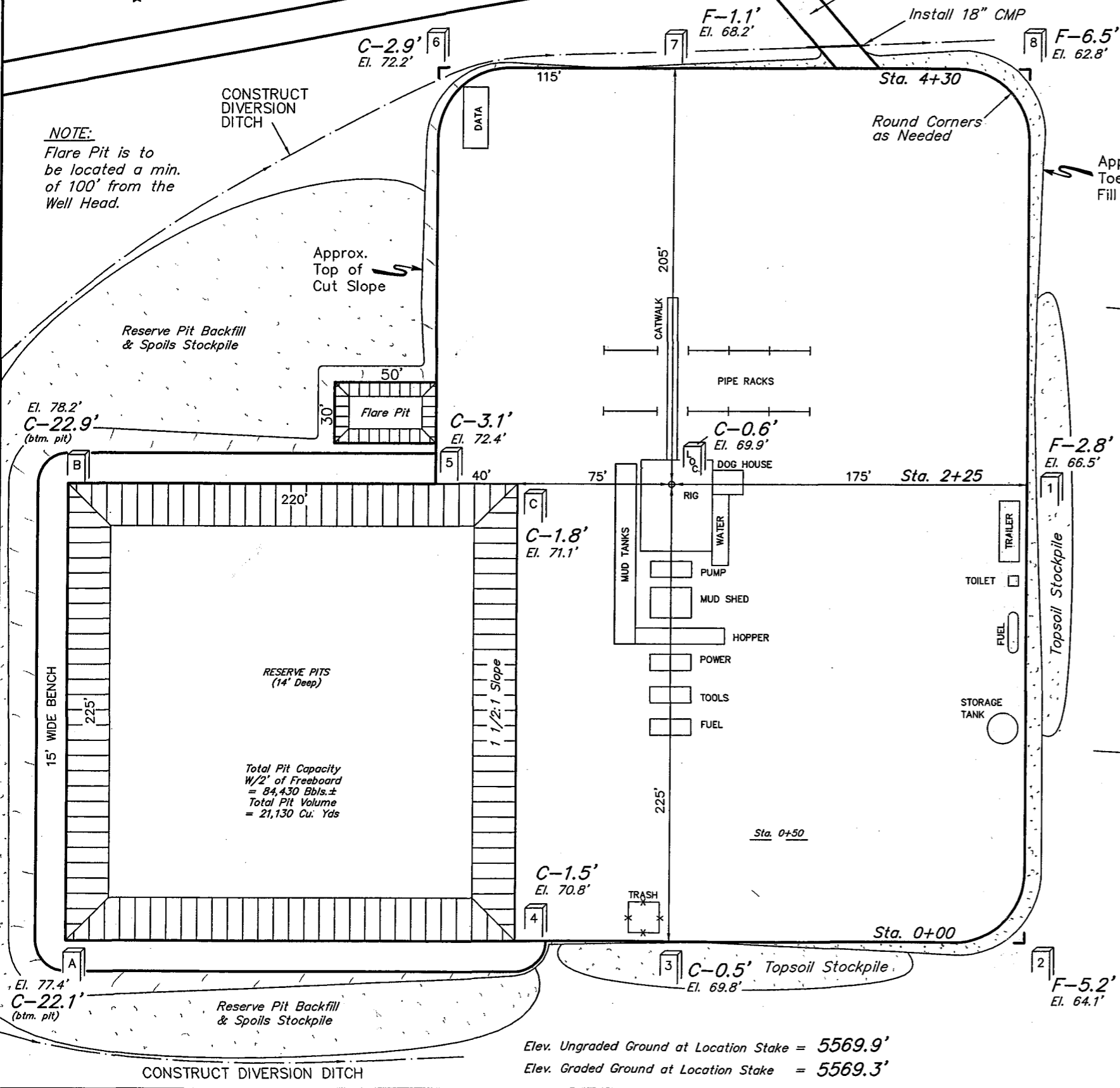
NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

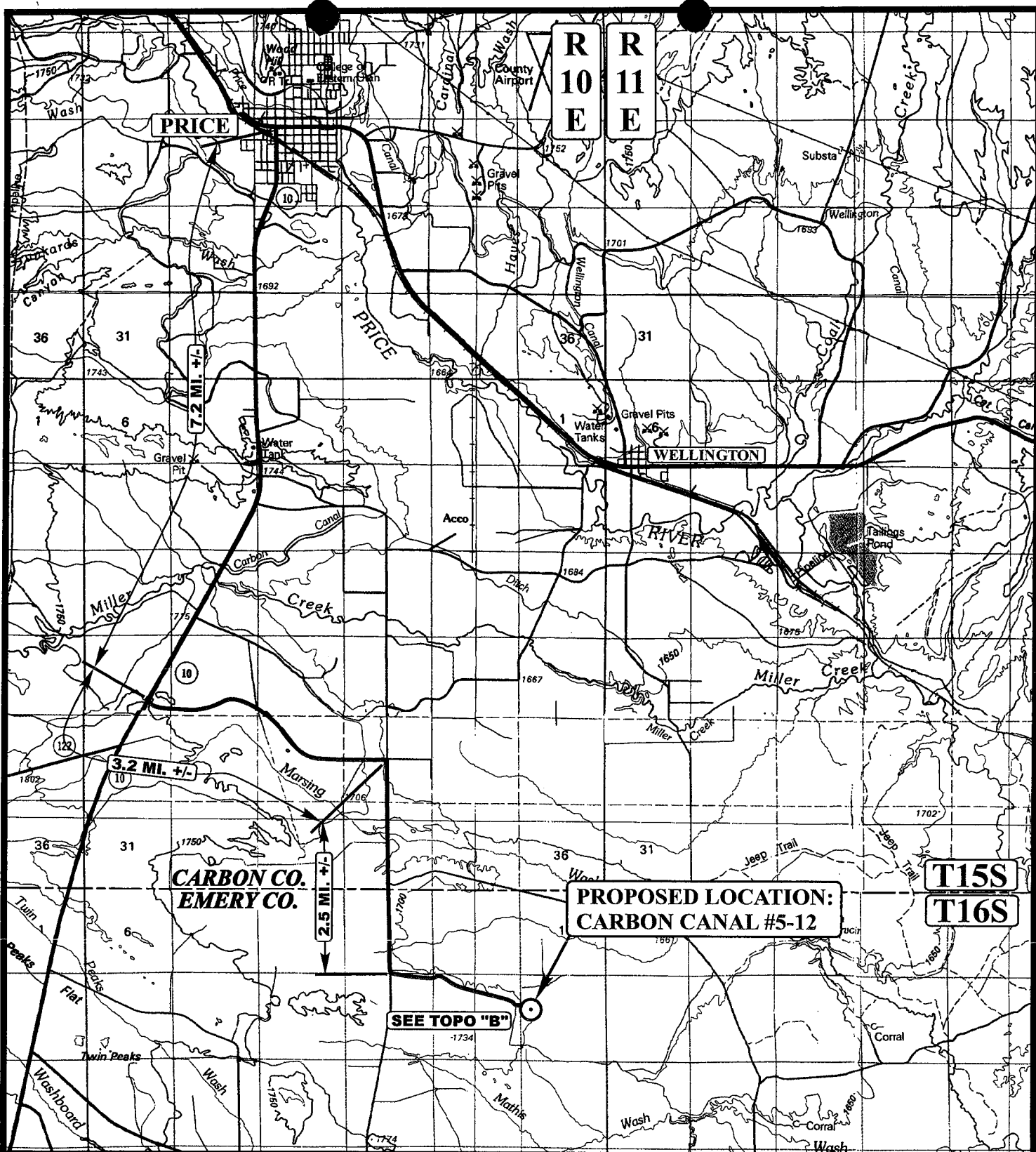
* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(12") Topsoil Stripping	= 7,140 Cu. Yds.
Remaining Location	= 32,310 Cu. Yds.
TOTAL CUT	= 39,450 CU.YDS.
FILL	= 9,490 CU.YDS.

EXCESS MATERIAL	= 29,960 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 17,710 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 12,250 Cu. Yds.
UINTAH ENGINEERING & LAND SURVEYING	
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017	





LEGEND:

⊙ PROPOSED LOCATION



SWEPI LP

CARBON CANAL #5-12
SECTION 12, T16S, R10E, S.L.B.&M.
2127' FNL 649' FWL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

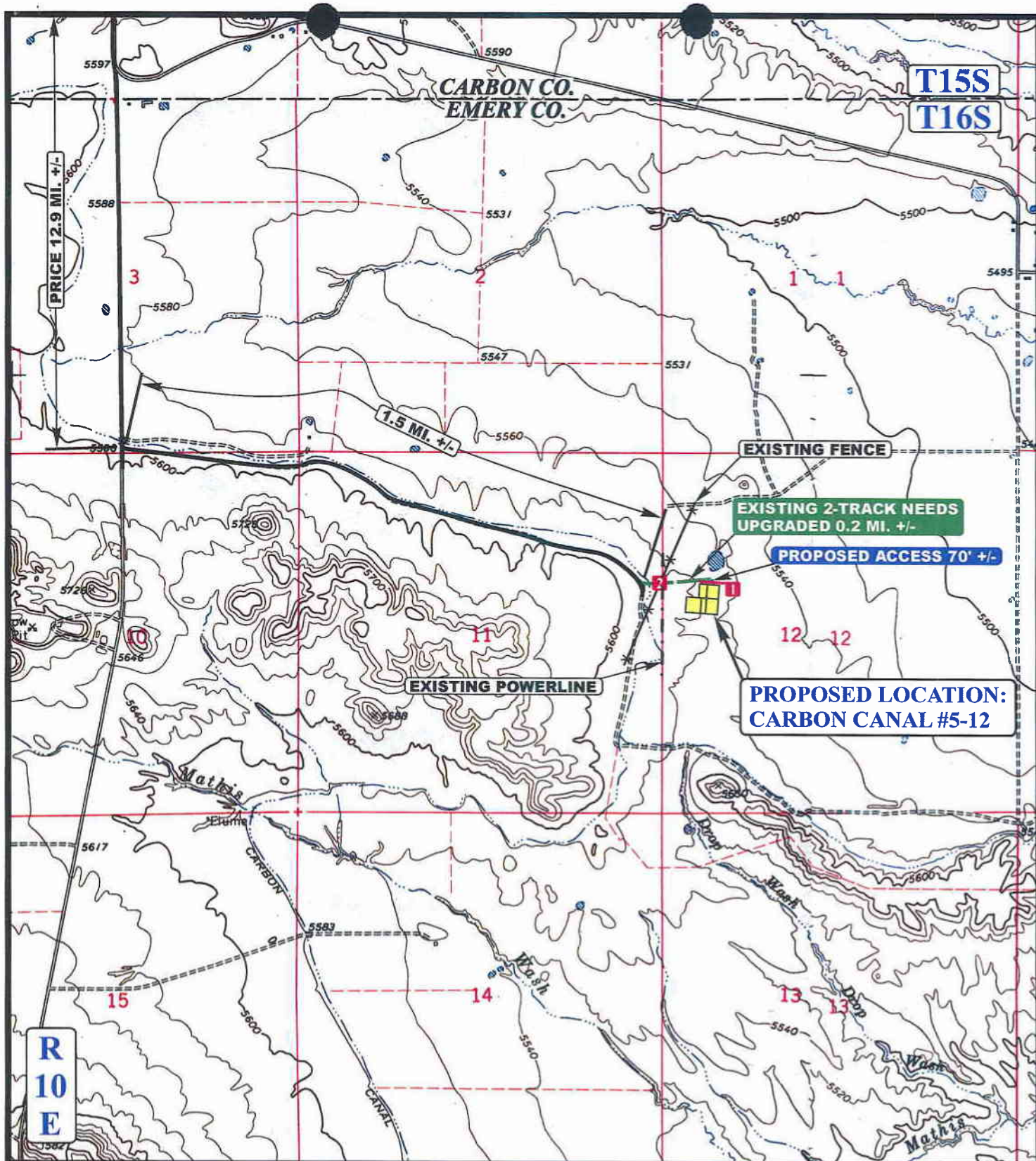
04 18 07
MONTH DAY YEAR

SCALE: 1:100,000

DRAWN BY: C.P.

REV: 04-23-07 P.M.





LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED
- EXISTING FENCE
- 18" CMP REQUIRED ■ CATTLE GUARD REQUIRED

N



SWEPI LP

CARBON CANAL #5-12
SECTION 12, T16S, R10E, S.L.B.&M.
2127' FNL 649' FWL

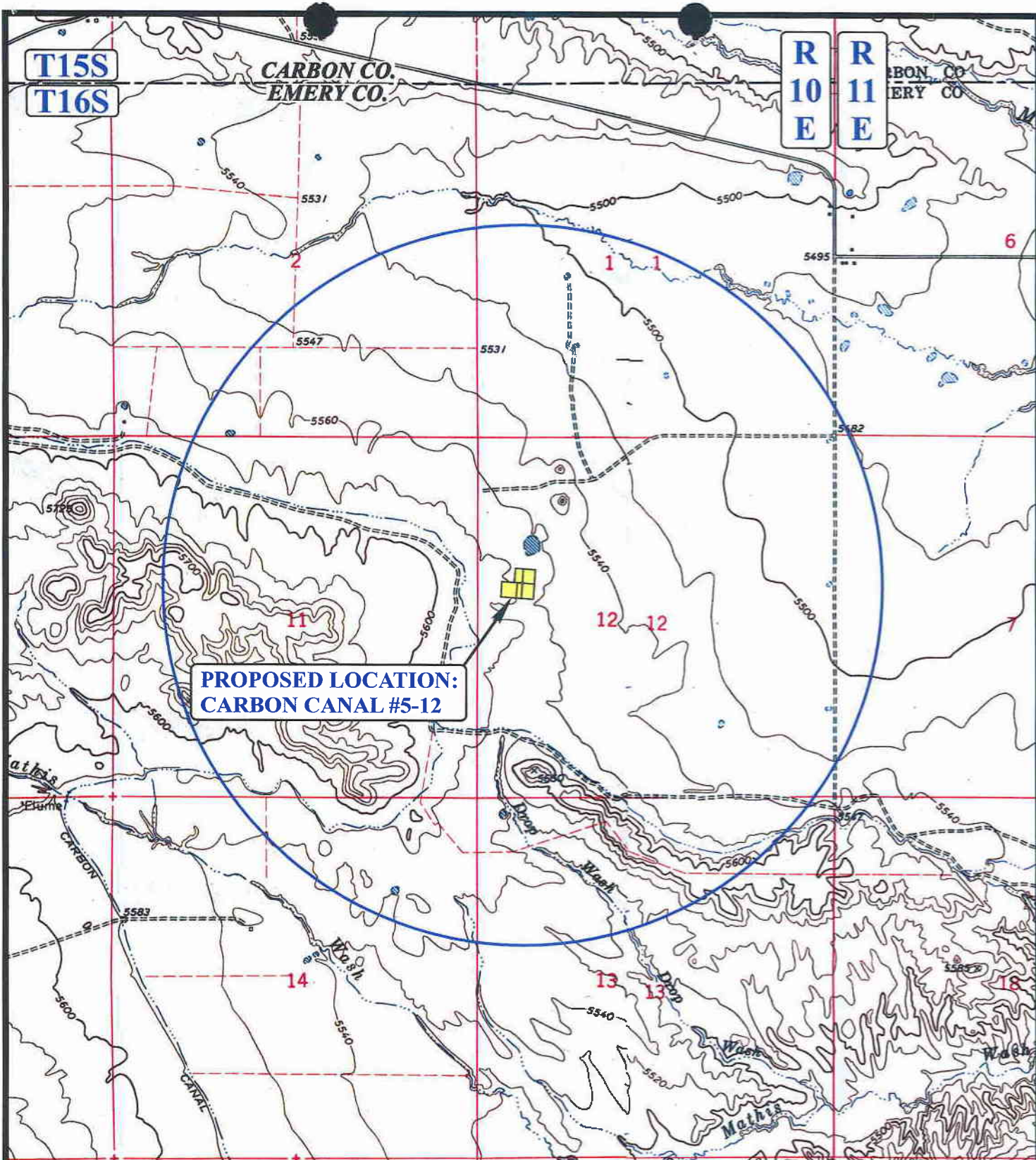


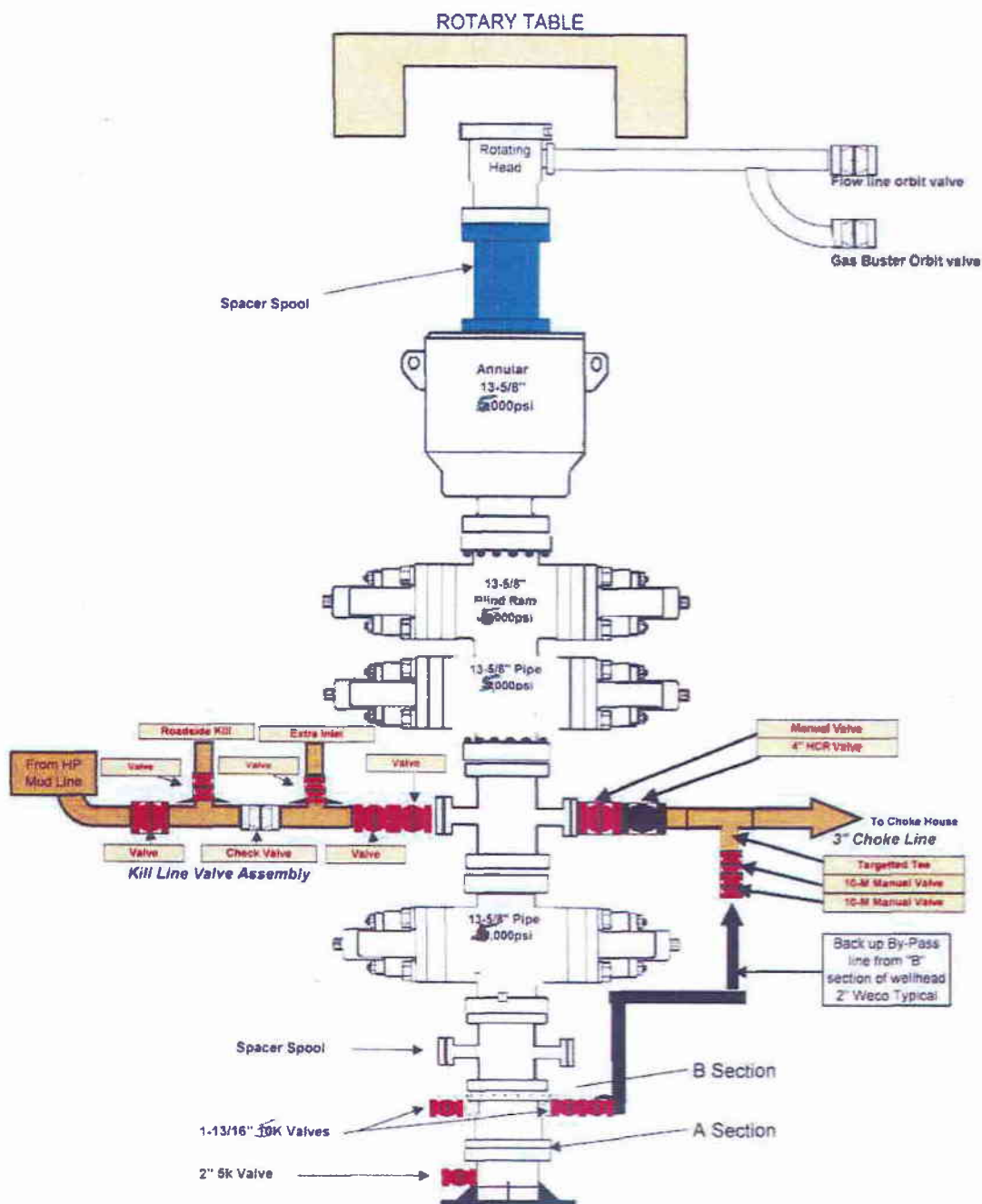
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP **04 18 07**
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REV: 04-23-07 P.M.









JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

July 23, 2007

SWEPI LP
200 N Dairy Ashford
Houston, TX 77079

Re: Carbon Canal 5-12 Well, 2127' FNL, 649' FWL, SW NW, Sec. 12, T. 16 South,
R. 10 East, Emery County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-015-30709.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Emery County Assessor
SITLA

Operator: SWEPI LP
Well Name & Number Carbon Canal 5-12
API Number: 43-015-30709
Lease: ML-49116

Location: SW NW Sec. 12 T. 16 South R. 10 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office (801) 942-0873 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. The operator will be required to comply with any applicable recommendations resulting from this review.
7. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
8. Surface casing shall be cemented to the surface.
9. Cement volume for the 9 5/8" intermediate production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to $\pm 2500'$ MD in order to adequately isolate the Navajo formation.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: SWEPI LP

Well Name: CARBON CANAL 5-12

Api No: 43-015-30709 Lease Type: STATE – FEE SURF

Section 12 Township 16S Range 10E County EMERY

Drilling Contractor NABORS DRILLING RIG # 413

SPUDDED:

Date 08/31/07

Time

How DRY

Drilling will Commence:

Reported by DAVID

Telephone # (307) 360-9403

Date 09/04/07 Signed CHD

CONFIDENTIAL



Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Shell Exploration & Production Co.
Pennzoil Place, PNT 14086
700 Milam Street
Houston, TX 77002

September 17, 2007

Subject: Request for Confidentiality of Well Data
Shell Exploration & Production Co., Carbon Canal 5-12 API# 43-015-30709
Emery County, Utah

Shell is currently drilling Carbon Canal 5-12 exploratory well in Emery County, Utah. Since this is Shell's first exploratory well in the area for many years and are targeting zones that have limited exploration and no existing production, Shell is requesting that the Division of Oil, Gas and Mining hold confidential for one year information outlined in R649-2-11 "Confidentiality of Well log Information" for the Carbon Canal 5-12 well.

Information to be held confidential includes:

"well logs, electrical or radioactivity logs, electromagnetic, electrical, or magnetic surveys, core descriptions and analysis, maps, other geological, geophysical, and engineering information, and well completion reports that contain such information."

All documents submitted will be clearly marked as confidential per R649-2-11.

Should you have questions regarding this request please contact me at (713) 546-6466.

Regards,

Richard W. Lewis
Shell Exploration & Production Company

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SEP 20 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: SWEPI LP Operator Account Number: N 1895
Address: 200 N. Dairy Ashford
city Houston
state TX zip 77079 Phone Number: (713) 546-6466

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301530709	Carbon Canal 5-12		SWNW	12	16S	10E	Emery
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	16369	8/31/2007		9/25/07		
Comments: <u>HMBG</u> CONFIDENTIAL							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED

SEP 24 2007

Richard W. Lewis

Name (Please Print)

Signature

HSE Advisor

Title

9/17/2007

Date



Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Shell Exploration & Production Co.
Pennzoil Place, PNT 14086
700 Milam Street
Houston, TX 77002

September 17, 2007

Subject: Shell Exploration & Production Co.
Carbon Canal 5-12 Well; API #43-015-30709
Sundry Notice – Plugback & Sidetrack of Well

Attached please find Form 9 “Sundry Notices and Report on Wells” for Carbon Canal 5-12 well. Due to difficulties in drilling the Carbon Canal 5-12 the well will be plugged back to approximately 1100’ and sidetracked to the northeast. The well will continue to be drilled per APD No. 399.

If you have questions please contact me at (713) 546-6466.

Regards,

Richard W. Lewis
Shell Exploration & Production Company

RECEIVED
SEP 24 2007
DIV. OF OIL, GAS & MINING

CONFIDENTIAL

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL	OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	OTHER _____
2. NAME OF OPERATOR: SWEPI LP			
3. ADDRESS OF OPERATOR: 200 N. Dairy Ashford CITY Houston STATE TX ZIP 77079			PHONE NUMBER: (713) 546-6466
4. LOCATION OF WELL			

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116 Surface
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
7. UNIT or CA AGREEMENT NAME:
8. WELL NAME and NUMBER: Carbon Canal 5-12
9. API NUMBER: 4301530709
10. FIELD AND POOL, OR WILDCAT: Wildcat

FOOTAGES AT SURFACE: 2127' FNL, 649'FWL

COUNTY: Emery

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 16S 10E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input checked="" type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Verbal approval to proceed with the following activities was obtained from Mark Jones of the Utah Division of Oil, Gas, and Mining on September 15, 2007.

The plugback procedure is outlined on the attached schematic.

After completing the plugback procedure we will drill out from beneath casing and sidetrack the well to the northeast. The well will continue to be drilled out from beneath casing per APD No. 399.

Plan to use steerable mud motors to directionally drill the well path shown in the attached diagram. Kickoff depth is 1100'. Build rate is 3 deg/100'. Planned direction is N30E. Plan to build to 6 degs then drop back to vertical.

Separation between wellbores will be 63' or greater.

NAME (PLEASE PRINT) Richard W. Lewis	TITLE HSE Advisor
SIGNATURE <i>Richard W. Lewis</i>	DATE 9/17/2007

(This space for State use only)

COPY SENT TO OPERATOR
Date: 10-24-07
Initials: RM

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 10/23/07
BY: *[Signature]*

RECEIVED

SEP 24 2007

DIV. OF OIL, GAS & MINING

Carbon Canal 5-12

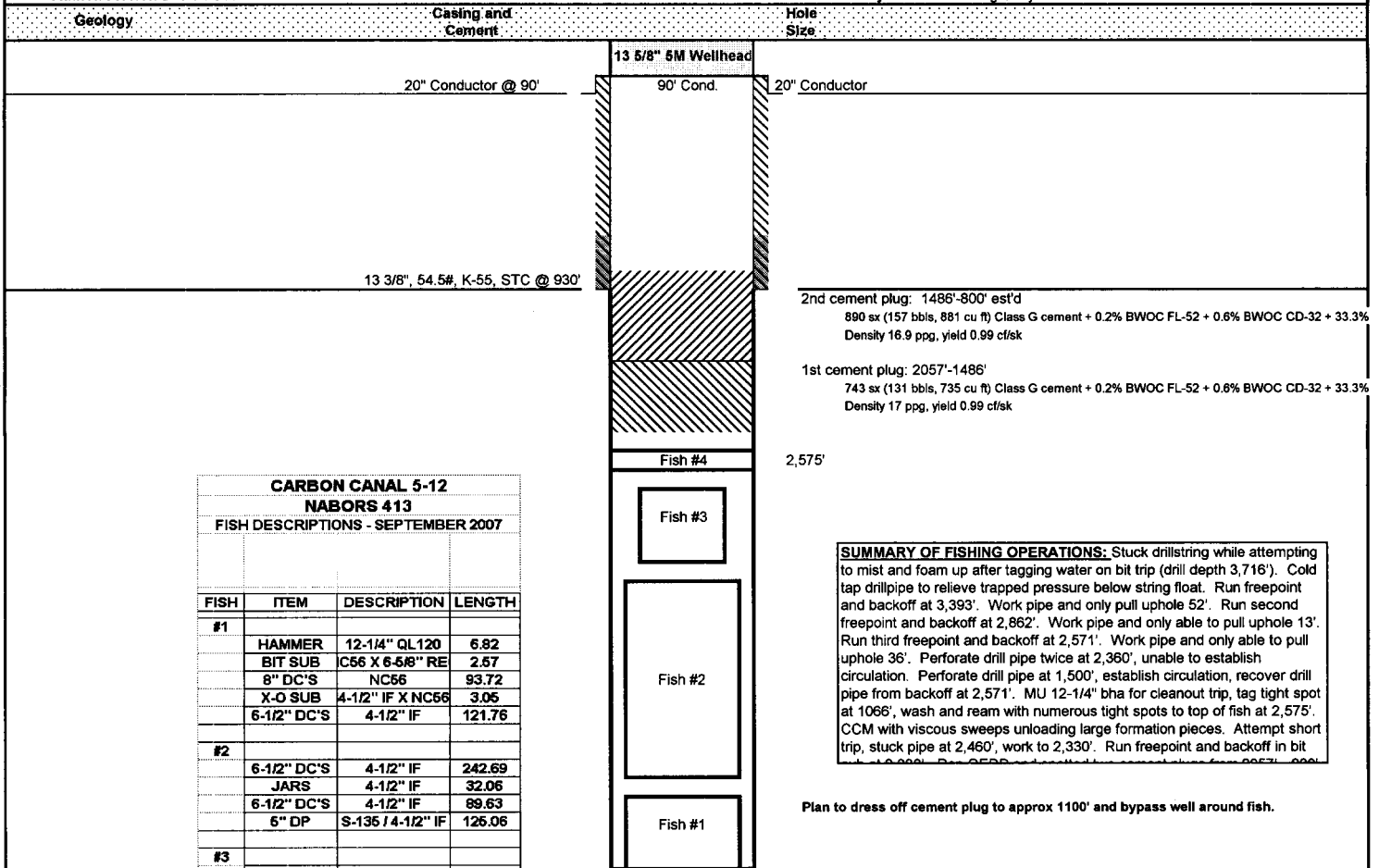
Plugback/Bypass Schematic

Rig: Nabors 413

Well: Carbon Canal 5-12
 Well Type: Exploratory
 Surface Location: 649' FWL, 2127' FNL Sec. 12, T16S, R10E, S.L.B.&M., Emery County, Utah
 39° 26' 57.51" N, 110° 45' 22.94" W
 Bottomhole Location: Same as surface
 Permitted TD: 9400'

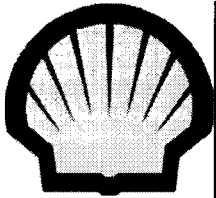
Field: Southern Uinta
 API Well Number: 43-015-30709
 GL Elevation (ft): 5570'
 KB to GL (ft): 26
 Objectives: Manning Canyon

Author/Version/Date: KDF/v1.0/8/23/2007



CARBON CANAL 5-12			
NABORS 413			
FISH DESCRIPTIONS - SEPTEMBER 2007			
FISH	ITEM	DESCRIPTION	LENGTH
#1	HAMMER	12-1/4" QL120	6.82
	BIT SUB	C56 X 6-5/8" RE	2.57
	8" DC'S	NC56	93.72
	X-O SUB	4-1/2" IF X NC56	3.05
	6-1/2" DC'S	4-1/2" IF	121.76
#2	6-1/2" DC'S	4-1/2" IF	242.69
	JARS	4-1/2" IF	32.06
	6-1/2" DC'S	4-1/2" IF	89.63
	6" DP	S-135 / 4-1/2" IF	126.06
#3	6" DP	S-135 / 4-1/2" IF	283.27
#4	12-1/4" BIT	MX-C1	1.12
	BIT SUB	1/2" X 6-5/8" RE	3.12

NOTE: Del Southwell notified Mark Jones with ther Utah DOGM of intent to plug a sidetrack well. Verbal approval was given at 32117 hours, 15 Sept, 2007.



SHELL ROCKY MOUNTAIN PRODUCTION LLC

Location: UTAH

Slot: Slot #1 Carbon Canal 5-12 Side Track

Field: EMERY COUNTY, UTAH

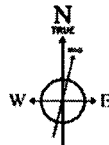
Well: Carbon Canal 5-12 Side Track

Facility: SEC.12-T16S-R10E

Wellbore: Carbon Canal 5-12 Side Track PWB



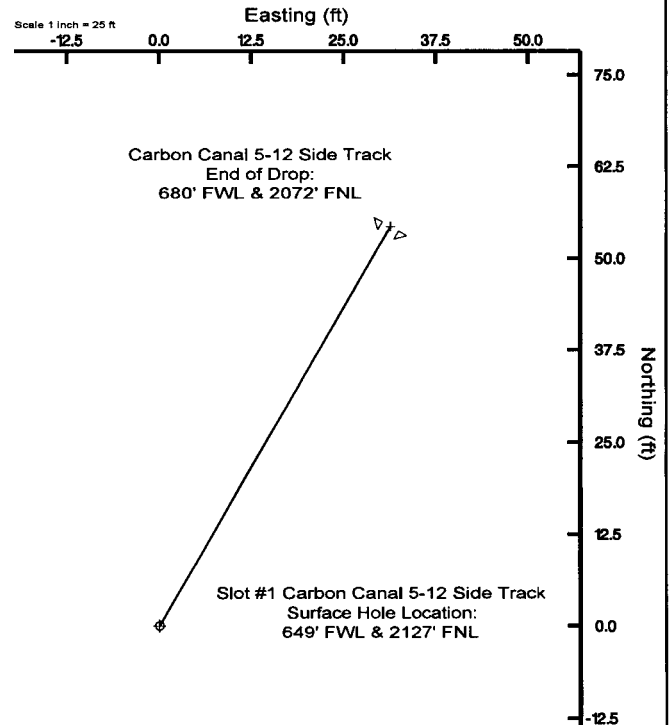
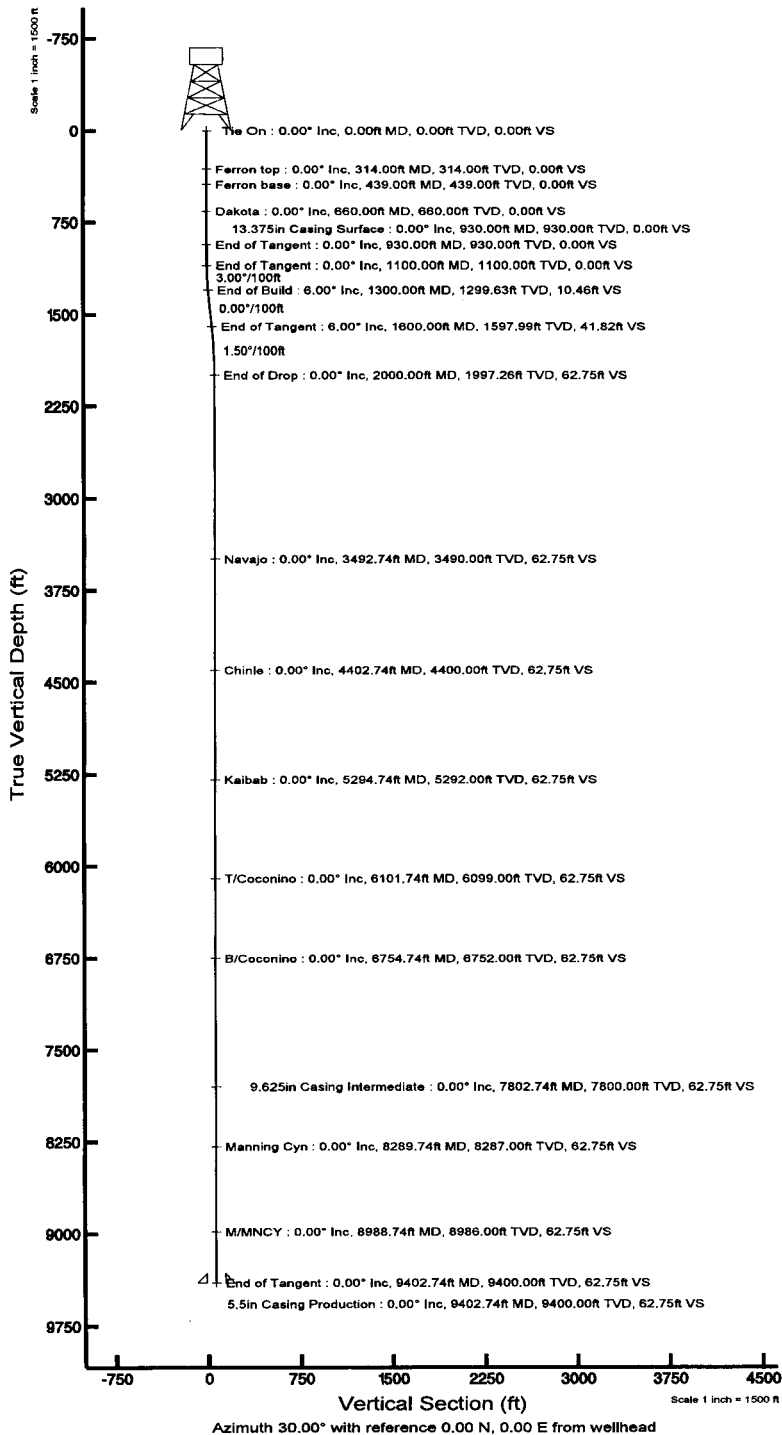
INTEQ



BGGM (1945.0 to 2008.0) Dip: 65.28° Field: 52257.6 nT
Magnetic North is 11.98 degrees East of True North (at 09/17/07)

To correct azimuth from Magnetic to True add 11.98 degrees

Well Profile Data							
Design Comment	MD (ft)	Incl (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)
Tie On	0.00	0.00	30.00	0.00	0.00	0.00	0.00
End of Tangent	930.00	0.00	30.00	930.00	0.00	0.00	0.00
End of Tangent	1100.00	0.00	30.00	1100.00	0.00	0.00	0.00
End of Build	1300.00	6.00	30.00	1299.63	9.06	5.23	3.00
End of Tangent	1600.00	6.00	30.00	1597.99	36.22	20.91	0.00
End of Drop	2000.00	0.00	30.00	1997.26	54.34	31.37	1.50
End of Tangent	9402.74	0.00	30.00	9400.00	54.34	31.37	0.00



Approval			
INTEQ Representatives			
Prepared by		Reviewed by	
Signature		Signature	
Position		Position	
Date		Date	
SHELL ROCKY MOUNTAIN PRODUCTION LLC Representative			
Approved by		Position	
Signature		Date	
Comment			

Location Information			
Facility Name	Grid East (USPS)	Grid North (USPS)	Latitude
SEC.12-T16S-R10E	180038.637	899015.929	39° 28' 57.510"N
Slot	Local N (ft)	Local E (ft)	Latitude
Slot #1 Carbon Canal 5-12 Side Track	0.00	0.00	39° 28' 57.510"N
Rig on Slot #1 Carbon Canal 5-12 ST (RT) to Mud line (Facility - SEC.12-T16S-R10E)			5570R
Mean Sea Level to Mud line (Facility - SEC.12-T16S-R10E)			0R
Rig on Slot #1 Carbon Canal 5-12 ST (RT) to Mean Sea Level			5570R

Plot reference wellbore is Carbon Canal 5-12 Side Track PWB	Grid System: NAD83 / Lambert Utah State Plane, Central Zone (4302) US feet
True vertical depths are referenced to Rig on Slot #1 Carbon Canal 5-12 ST (RT)	North Reference: True North
Measured depths are referenced to Rig on Slot #1 Carbon Canal 5-12 ST (RT)	Scale: True distance
Rig on Slot #1 Carbon Canal 5-12 ST (RT) to Mean Sea Level 5570 feet	Depths are in feet
Mean Sea Level to Mud line (Facility - SEC.12-T16S-R10E) 0 feet	Coordinates are in feet referenced to Slot
Coordinates are in feet referenced to Slot	Created by: Sergei Petrovsky on 8/17/2007



CONFIDENTIAL

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Shell Exploration & Production Co.
Pennzoil Place, PNT 14086
700 Milam Street
Houston, TX 77002

September 27, 2007

Subject: Shell Exploration & Production Co.
Carbon Canal 5-12 Well; API #43-015-30709 165 10E 12
Sundry Notice – Casing Program Modification

Attached please find Form 9 “Sundry Notices and Report on Wells” for Carbon Canal 5-12 well.
Due to difficulties in drilling the Carbon Canal 5-12 a modified casing program will be implemented.
With exception of the casing program the well will continue to be drilled per APD No. 399.

If you have questions please contact me at (713) 546-6466.

Regards,

Richard W. Lewis
Shell Exploration & Production Company

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OCT 01 2007

DIV. OF OIL, GAS & MINING

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116 Surface
2. NAME OF OPERATOR: SWEPI LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 200 N. Dairy Ashford CITY Houston STATE TX ZIP 77079		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2127' FNL, 649'FWL		8. WELL NAME and NUMBER: Carbon Canal 5-12
PHONE NUMBER: (713) 546-6466		9. API NUMBER: 4301530709
10. FIELD AND POOL, OR WILDCAT: Wildcat		COUNTY: Emery
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 16S 10E S		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input checked="" type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

As a result of drilling problems a modified casing program is proposed for the Carbon Canal 5-12 well.

The 13-3/8" casing has been set at 930 feet per the original APD.

NEW CASING PROGRAM (see attached casing diagram)

- 9 5/8" casing will be set at approximately 2200 to 2500 feet.

- A 8 1/2" hole will be drilled to TD. At that time a 5 1/2" casing will be set.

- Contingency Plan: If hole problems are encountered between 2200 feet and TD, a 7 5/8" liner may be set from 2200 feet to approximately 7700 feet to 7900 feet. A 6 3/4" hole will then be drilled out from casing to TD. At that time a 4 1/2" casing will be set.

NAME (PLEASE PRINT) Richard W. Lewis TITLE HSE Advisor
SIGNATURE *Richard W. Lewis* DATE 9-27-07

(This space for State use only)

Email Copy Approved 9/28/07 DWS

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OCT 01 2007

DIV. OF OIL, GAS & MINING

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Carbon Canal 5-12
Well Prognosis
Rig: Nabors 413

Well: Carbon Canal 5-12
Well Type: Exploratory
Surface Location: 649' FWL, 2127' FNL Sec. 12, T16S, R10E, S.L.B.&M., Emery County, Utah
39° 26' 57.51" N, 110° 45' 22.94" W
Bottomhole Location: Same as surface
Permitted TD: 9400'

Network #: 30067810
CSO %: 8.00%
Field: Southern Uinta
API Well Number: 43-015-30709
GL Elevation (ft): 5570'
KB to GL (ft): 26

Geology	BOP Testing Requirements	Casing and Cement	Hole Size	Hydraulics and Mud Data
		B-13-5/8" 6Mx13-5/8" 10M A-13-3/8" SOWx13-5/8" 6M	20" Conductor	
Ferron top 314'			17 1/2" Pilot	Fresh Water with Gel Sweeps Inhibit with Gyp/Lime (1sx/hr of each), keep Ca+ 400 - 600 MG/L Utilize Polyswell sweeps or light bent mud up for extreme losses
Ferron base 439'				
Dakota 660'				~500 gpm when drilling 8.5" hole ~1200 gpm when drilling 17.5" hole Open to 17-1/2" after reaching csg pt
	13 3/8", 54.5#, K-55, STC	930'		
			12 1/4"	Low solids 3% KCL Polyplus/Polypac system 9.7-10 ppg
	9 5/8", 47#, P-110, LTC	2200'-2500'		
Navajo 3490'	TOC @ Liner Top			
Chinle 4400'				
Kaibab 5292'			8 1/2"	Inhibited water based managing losses with air
T/Coconino 6099'				
B/Coconino 6752'				
	7 5/8", 29.7#, P-110, ST-L	7700-7900		This is a contingency liner
1: GR/Density-Neutron Porosity/Resistivity/Sonic				
Manning Cyn 8287'				
	TOC ~7000'			
B/MNCY 8986'				
	5 1/2", 20#, P-110 LTC-M if 8-1/2" hole to TD 4 1/2", 13.5#, P-110 LTC-M if contingency liner run	9100-9400		8 1/2" Hole (6 3/4" if contingency liner set) Low solids 3% KCL Polyplus/Polypac system 9.3-9.5 ppg
Humbag				
1: HNGS-PEX-HRLA-CMR-ECS				
2: FMI-MSIP				Cement Outside Casing



CONFIDENTIAL

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Shell Exploration & Production Co.
Pennzoil Place, PNT 14086
700 Milam Street
Houston, TX 77002

November 1, 2007

Subject: Shell Exploration & Production Co.
Carbon Canal 5-12 Well; API #43-015-30709 125 10E 12
Monthly Report – October 2007

Attached please find Form 9 "Sundry Notices and Report on Wells" for Carbon Canal 5-12 well monthly report for October 2007.

If you have questions please contact me at (713) 546-6466.

Regards,

Richard W. Lewis
Shell Exploration & Production Company

RECEIVED

NOV 05 2007

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116 Surface
2. NAME OF OPERATOR: SWEPI LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 200 N. Dairy Ashford CITY Houston STATE TX ZIP 77079		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2127' FNL, 649'FWL		8. WELL NAME and NUMBER: Carbon Canal 5-12
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 16S 10E S		9. API NUMBER: 4301530709
COUNTY: Emery		10. FIELD AND POOL, OR WILDCAT: Wildcat
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>October 2007</u>	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>Monthly Report</u>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached find the October 2007 weekly summary reports for the carbon Canal 5-12 well. These reports dated 10/8/2007, 10/15/2007, 10/22/2007, and 10/31/2007 summarize progress on the well from October 1, 2007 to October 31, 2007.

NAME (PLEASE PRINT) Richard W. Lewis TITLE HSE Advisor
SIGNATURE Richard W. Lewis DATE 11/1/07

(This space for State use only)

RECEIVED**NOV 05 2007**

DIV. OF OIL, GAS & MINING

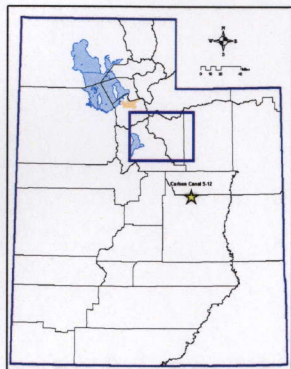
Weekly Executive Summary - Oct 1-8 '07

Confidential



Carbon Canal 5-12 Exploration Well, Emory Co., Utah

Current Depth: 3250'



Operator: 100% SEPCo

Location: T16S 10E Sec. 12, Emory Co., UT

Rig: Nabors 413

Mob Date: Aug 21, 2007

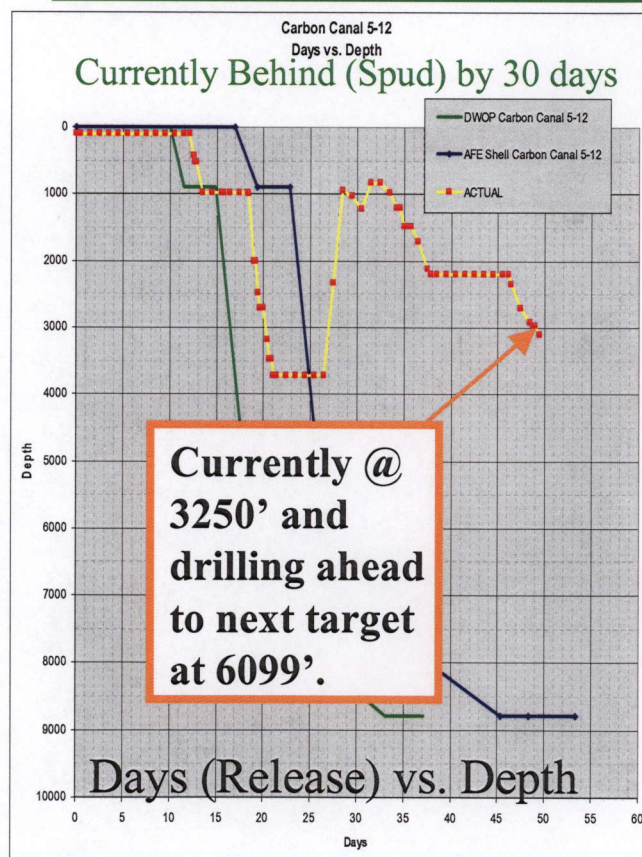
Spud Date: Aug 29, 2007

Planned Days (AFE): 45

Play type: Basin Centered Gas

Objective: Manning Canyon Fm. (Miss.)

Permit Depth: 9400'



Operations Review

HSE: 0 incidents. Held a discussion for the use of a new bit. Changed to a Smith S48 bit.

Ops: Set intermediate casing at 2200'. Tested BOP and drilled ahead in bypass hole to 3250'. No operational problems occurred after casing. Bit change at around 3000'. ROP currently at ~ 17'/hr.

Look Ahead: Continue drilling ahead to top of the Coconino (~6099')

Planning: A contingency string has been planned for the Coconino Formation, should we hit zones of LC. All communications have been passed along for the changes made to the coring operations. This includes the possibility of 3 1/2" conventional core vs. 3" wireline. The Optic Fibers for the completion string have also been modified for the smaller hole size.

Consideration: Critical Success Factors of the well must be kept in mind if well plan changes.

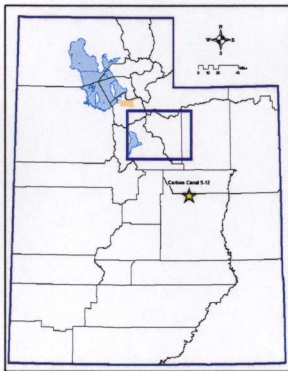
Weekly Executive Summary - Oct 9-15 '07

Confidential



Carbon Canal 5-12 Exploration Well, Emory Co., Utah

Current Depth: 5953'



Operator: 100% SEPCo

Objective: Manning Canyon Fm. (Miss.)

Location: T16S 10E Sec. 12, Emory Co., UT

Permit Depth: 9400'

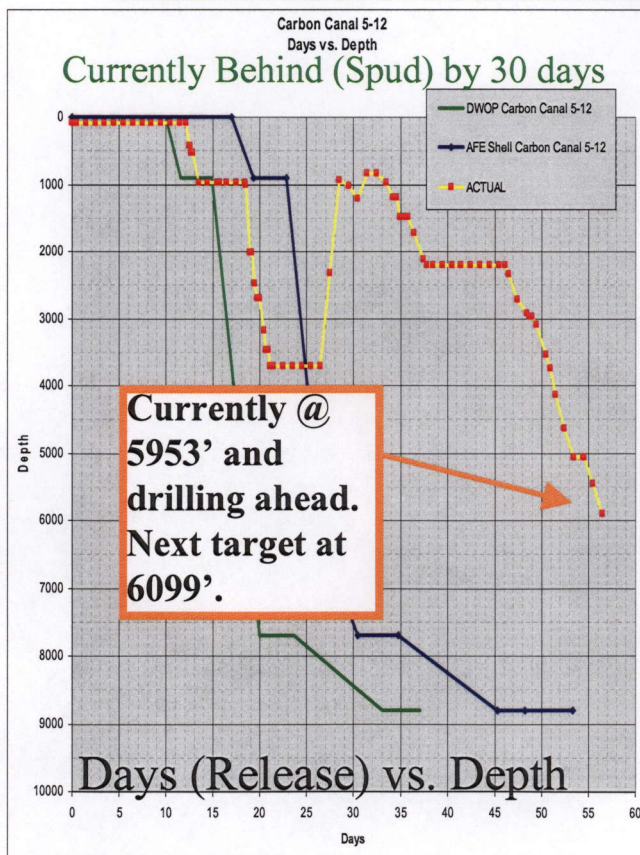
Rig: Nabors 413

Mob Date: Aug 21, 2007

Spud Date: Aug 29, 2007

Planned Days (AFE): 45

Play type: Basin Centered Gas



Operations Review

HSE: 0 incidents.

Ops: Broken cone on bit, fished it out and changed to a Smith S48 bit. Drilling ahead, currently at 5993' with average ROP at ~ 20'/hr. Estimated to reach the top of the Coconino tonight/early tomorrow (10/16).

Look Ahead: Continue drilling ahead to top of the Coconino (~6099')

Planning: A contingency string has been planned for the Coconino Formation, should we hit zones of LC. LCM is ready and on-site. All communications have been passed along for the changes made to the well design. Vendors have been contacted in prep for coring. The Optic Fibers for the completion string have also been modified for the smaller hole size, and all materials needed for both hole sizes are on order.

Consideration: Critical Success Factors of the well must be kept in mind if well plan changes.

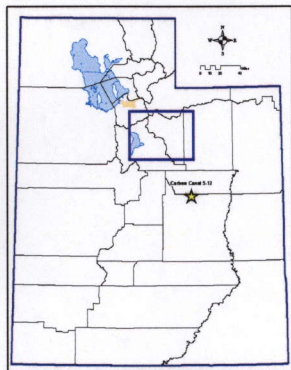
Weekly Executive Summary - Oct 16-22 '07

Confidential



Carbon Canal 5-12 Exploration Well, Emory Co., Utah

Current Depth: 7,275'



Operator: 100% SEPCo

Objective: Manning Canyon Fm. (Miss.)

Location: T16S 10E Sec. 12, Emory Co., UT

Permit Depth: 9400'

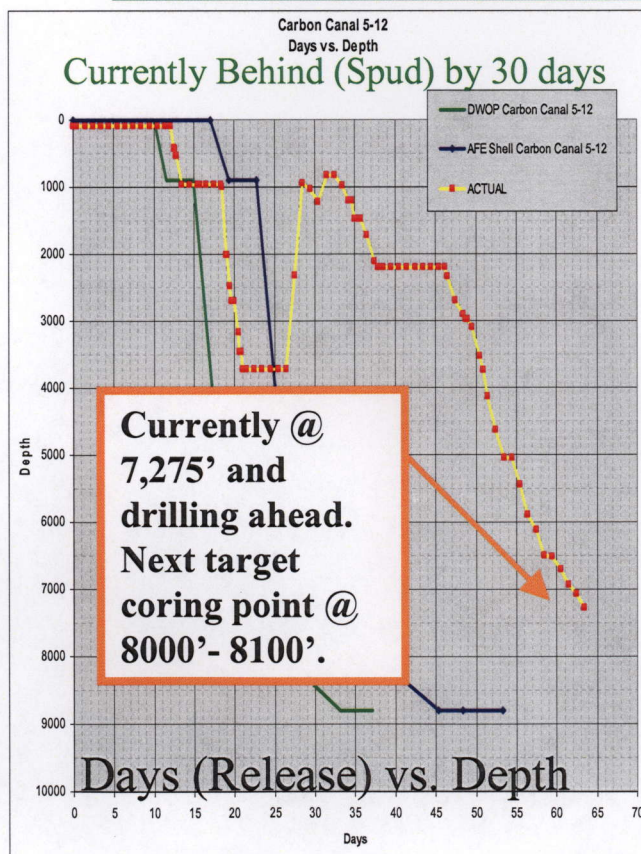
Rig: Nabors 413

Mob Date: Aug 21, 2007

Spud Date: Aug 29, 2007

Planned Days (AFE): 45

Play type: Basin Centered Gas



Operations Review

HSE: 0 recordable incidents. 1 First-aid incident: A floor hand received a cut above the left eye when the door on the trash container blew shut. He was treated on site and returned to work.

Ops: Drilling ahead; routine bit trips; no lost circulation at Coconino; average ROP at ~9-19'/hr.

Look Ahead: Continue drilling ahead to coring point (8000'-8100'). Commence wire-line coring.

Planning: Contingency CSG string will not be run since losses in the Coconino Formation have been minimal. Vendors have been contacted in prep for coring. The team anticipates hitting core point 25-26 OCT.

Consideration: Critical Success Factors of the well must be kept in mind if well plan changes.

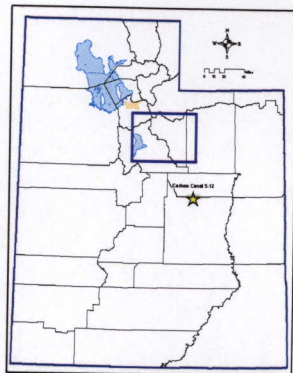
Weekly Executive Summary - Oct 23-31 '07

Confidential



Carbon Canal 5-12 Exploration Well, Emory Co., Utah

Current Depth: 8,046' Core Point



Operator: 100% SEPCo

Objective: Manning Canyon Fm. (Miss.)

Location: T16S 10E Sec. 12, Emory Co., UT Permit Depth: 9400'

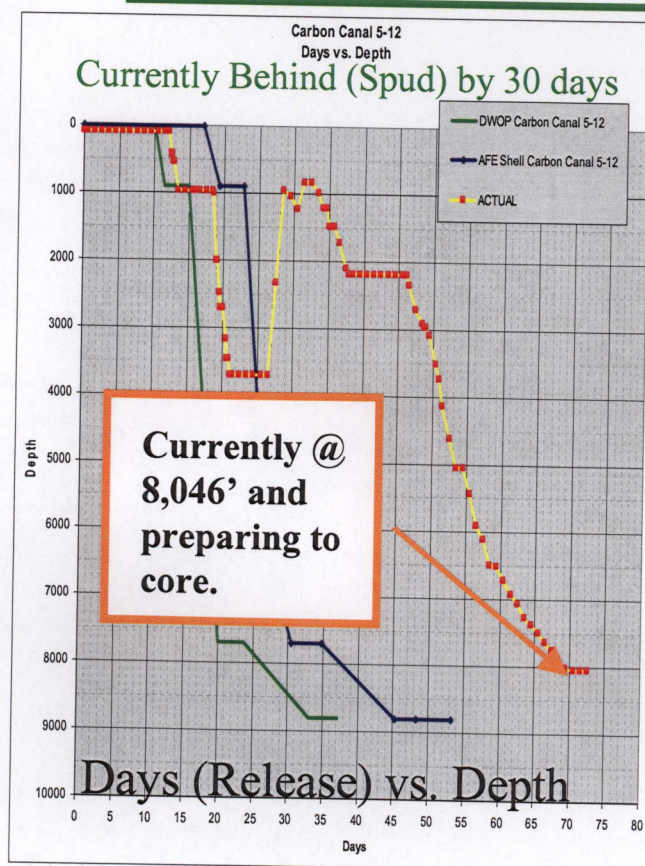
Rig: Nabors 413

Mob Date: Aug 21, 2007

Spud Date: Aug 29, 2007

Planned Days (AFE): 45

Play type: Basin Centered Gas



Operations Review

HSE: 0 incidents.

Ops: Drilling ahead; reached core point @8046'; average ROP at ~6-8'/hr. On 10/29/2007 after reaching 8046' lost 8 drill collars, 3 stabilizers, and bit in hole. Top of fish at app. 7531'. 10/30/2007 drill collars, stabilizers, and bit fished from hole. Appears survey tool left in hole. Milling up survey tool 10/31/2007 and flush with magnet, clean hole.

Look Ahead: Preparing to enter for wire-line coring 11/1/2007.

Planning: Wire-line core app. 400 '.



SWEPI LP

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Overnight Delivery

January 21, 2008

SWEPI LP

700 Milam St, PNT 14012
Houston, TX 77002
713-546-6305 office
713-546-6671 fax
e.hardesty@shell.com

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

RE: 16 S 10E 12
Shell Exploration & Production Co.
Carbon Canal 5-12 Well; API # 43-015-30709
Monthly Report-November 2007 & December 2007

Dear Sir or Madam:

Attached please find Form 9 "Sundry Notices and Report on Wells" for the Carbon 5-12 Well Monthly Reports for November and December 2007. The Utah Division of Oil, Gas and Mining ("UDOGM") agrees that the Monthly Reports generated by Shell Exploration and Production Company ("SEPCO") shall not be disclosed for a twenty-four (24) month period, which shall commence to run from the date that the Monthly Report is furnished to the UDOGM. The UDOGM will not show, display, divulge, trade, or otherwise disclose the Monthly Reports to or with any third party or to the public in a general manner, except as may be required by law, without SEPCO's express written consent.

Please note that we have suspended drilling on the Carbon Canal 5-12 Well unit until core analysis has been completed. Final completions are scheduled for late February early March 2008. The Carbon Canal 5-12 Well is a tight hole exploration well.

Please contact me at (713) 546-6305 with any questions.

Kindest Regards,

Elizabeth Hardesty
Exploration Geologist

Cc: Ms. LaVonne Garrison with the SITLA

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JAN 28 2008

UTAH DIVISION OF OIL, GAS & MINING

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

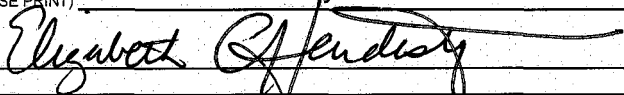
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116 Surface
2. NAME OF OPERATOR: SWEPI LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 200 N. Dairy Ashford CITY Houston STATE TX ZIP 77079		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2127'FNL, 649FWL'		8. WELL NAME and NUMBER: Carbon Canal 5-12
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 16S 10E S		9. API NUMBER: 4301530709
COUNTY: Emery		10. FIELD AND POOL, OR WILDCAT: Wildcat
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
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	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: DECEMBER 2007
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached find the December 2007 weekly summary reports for the Carbon Canal 5-12 well. These reports dated 12/3/2007, and 12/11/2007 summarize progress on the well from November 1, 2007 to November 11, 2007. The rig was released on December 11, 2007 at 5:00 AM (CMT). At this time all operations ceased. Shell will return for completions and testing in February 2008 after core analysis has been completed. Reports will resume at that date. Thank you.

NAME (PLEASE PRINT) Elizabeth C. Hardesty	TITLE Geologist
SIGNATURE 	DATE 1/16/2008

(This space for State use only)

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JAN 28 2008

DIV. OF OIL, GAS & MINING

Weekly Summary – 3 Dec 2007

Carbon Canal 5-12 Exploration Well, Emery Co., Utah

Confidential

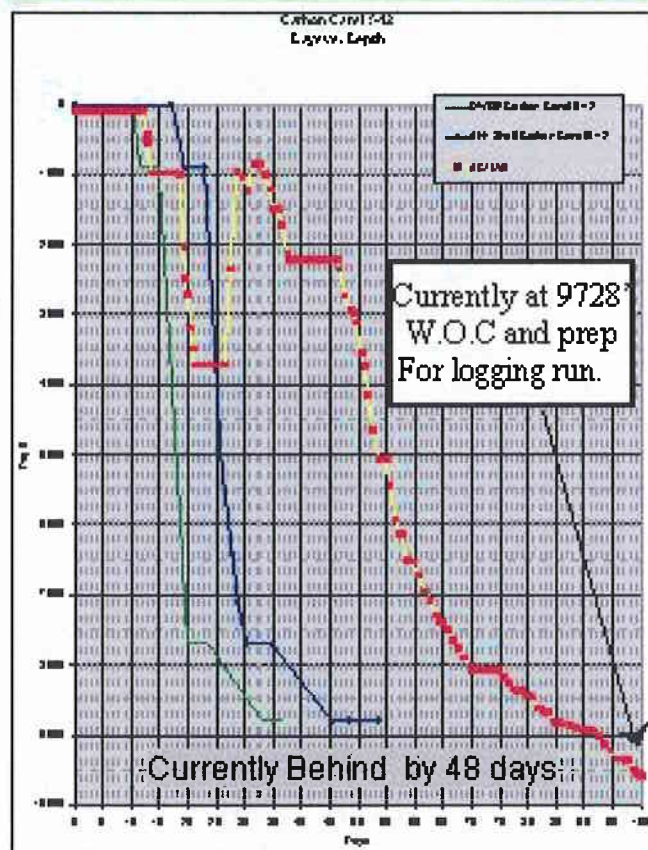


Current Depth: 9728'

Operator: 100% SEPCo
Location: T16S 10E Sec. 12, Emery Co., UT
Rig: Nabors 413
Mob Date: Aug 21, 2007
Spud Date: **Aug 29, 2007**
Planned Days (AFE): 45
Play type: Basin Centered Gas

Objective: Manning Canyon Fm. (Miss.)
Permit Depth: 10200'
KB: 5595' (TVD-SS) / 26' AGL
Mud System: WBM – min. 5000 mg/L Cl

Hole Size	Casing	Projected Tops	Actual
8 1/2" P	17 1/2" 20"		
13 3/8"		660'	1010'
12 1/4"	9 3/8"	3490'	IM CSG @ 2200'
8 1/2"		4400'	3700'
		4400'	4620'
		6099'	6330'
Contingency		8287'	8570'
8 1/2" 9 or 6 1/2"		8988'	Sh @ 8700'
Core Size 5 1/2" 3"			9623'



Operations Review

HSE: 0 recordable incidents.

0 spills, 0 accidents!

Ops: Drilled ahead from 9540' - 9728'.

TD was called at 9728 on 29 Nov. Due to slowing ROP and decreased gas. POOH for logging string. Had to stop logs, could not get pased 3400'. Decision made to run casing 30 Nov. Casing ran and waiting on B.J. for cement. Currently W.O.C.

Look Ahead: Finish with completion casing and run cased hole logs.

Planning: What logging string do we run since we have cased hole? G&G team is working on this. Supplemental Logging Prog will be sent out. Perp rig for move and release.

Weekly Summary – 11 Dec 2007

Carbon Canal 5-12 Exploration Well, Emery Co., Utah

Confidential

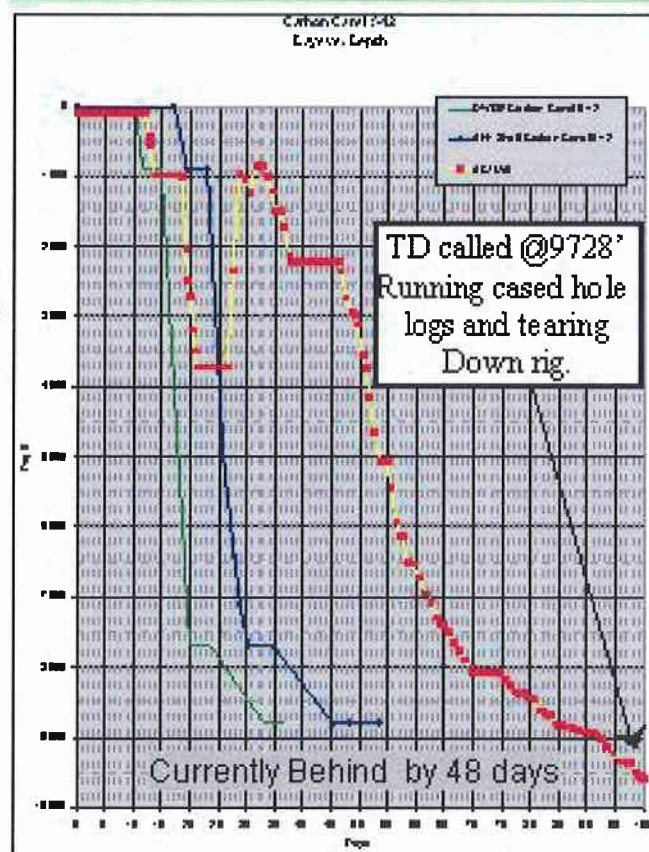


Current Depth: 9728'

Operator: 100% SEPCo
Location: T16S 10E Sec. 12, Emery Co., UT
Rig: Nabors 413
Mob Date: Aug 21, 2007
Spud Date: **Aug 29, 2007**
Planned Days (AFE): 45
Play type: Basin Centered Gas

Objective: Manning Canyon Fm. (Miss.)
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Mud System: WBM – min. 5000 mg/L Cf

Hole Size	Casing	Projected Tops	Actual
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13 3/8"		660'	1010'
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		4400'	4620'
		6099'	6330'
Contingency		8287'	8570'
8 1/2" 9 or 6 1/2"		8988'	Sh @ 8700'
Core Size 5 1/2" 3"			9623'
			9728'



Operations Review

HSE: 1 incident reported. 2 men slipped and fell into a partially filled reserve pit. They were recovered quickly and no medical attention was needed.

Ops: Ran Schlumberger cased hole logs, 3 runs. VSP set-up and completion. Lowered top drive 7 Dec. Tested well head to 9.6M / 15 MIN. **Rig was released 11 Dec. at 5:00 AM.**

Look Ahead: What to do after.....

Planning: Core Analysis program and data gathering.

No Further Reports sent until February 2008, when completions resume.

Questions: Contact Elizabeth Hardesty, Geologist
Shell Oil Company, 713.546.6305 (office)



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Overnight Delivery

January 21, 2008

SWEPI LP

700 Milam St, PNT 14012
Houston, TX 77002
713-546-6305 office
713-546-6671 fax
e.hardesty@shell.com

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

RE: ¹⁶⁵ Shell Exploration & Production Co. ^{10E}
Carbon Canal 5-12 Well; API # 43-015-30709 ¹²
Monthly Report-November 2007 & December 2007

Dear Sir or Madam:

Attached please find Form 9 "Sundry Notices and Report on Wells" for the Carbon 5-12 Well Monthly Reports for November and December 2007. The Utah Division of Oil, Gas and Mining ("UDOGM") agrees that the Monthly Reports generated by Shell Exploration and Production Company ("SEPCO") shall not be disclosed for a twenty-four (24) month period, which shall commence to run from the date that the Monthly Report is furnished to the UDOGM. The UDOGM will not show, display, divulge, trade, or otherwise disclose the Monthly Reports to or with any third party or to the public in a general manner, except as may be required by law, without SEPCO's express written consent.

Please note that we have suspended drilling on the Carbon Canal 5-12 Well unit until core analysis has been completed. Final completions are scheduled for late February early March 2008. The Carbon Canal 5-12 Well is a tight hole exploration well.

Please contact me at (713) 546-6305 with any questions.

Kindest Regards,

Elizabeth Hardesty
Exploration Geologist

Cc: Ms. LaVonne Garrison with the SITLA

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JAN 28 2008

DIV. OF OIL, GAS & MINING

CONFIDENTIALSTATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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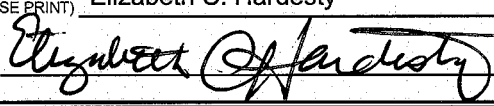
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116 Surface
2. NAME OF OPERATOR: SWEPI LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 200 N. Dairy Ashford CITY Houston STATE TX ZIP 77079		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2127'FNL, 649FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 16S 10E S		8. WELL NAME and NUMBER: Carbon Canal 5-12
PHONE NUMBER: (713) 546-6305		9. API NUMBER: 4301530709
COUNTY: Emery		10. FIELD AND POOL, OR WILDCAT: Wildcat
STATE: UTAH		

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TYPE OF SUBMISSION	TYPE OF ACTION		
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	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>NOVEMBER 2007</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached find the November 2007 weekly summary reports for the Carbon Canal 5-12 well. These reports dated 11/5/2007, 11/12/2007, 11/19/2007, and 11/26/2007 summarize progress on the well from November 1, 2007 to November 30, 2007.

NAME (PLEASE PRINT) Elizabeth C. Hardesty	TITLE Geologist
SIGNATURE 	DATE 1/16/2008

(This space for State use only)

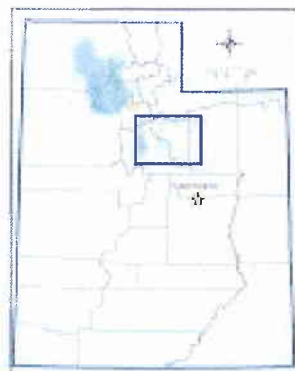
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DIV. OF OIL, GAS & MINING

Weekly Summary – 5 Nov 2007

Carbon Canal 5-12 Exploration Well, Emery Co., Utah

Confidential



Current Depth: 8351'

Operator: 100% SEPCo

Location: T16S 10E Sec. 12, Emery Co., UT

Rig: Nabors 413

Mob Date: Aug 21, 2007

Spud Date: **Aug 29, 2007**

Planned Days (AFE): 45

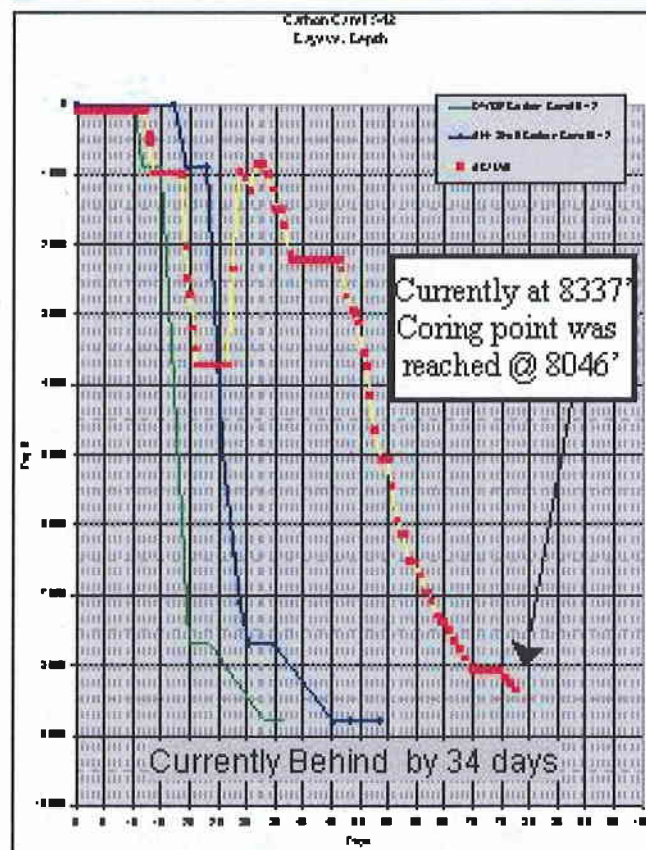
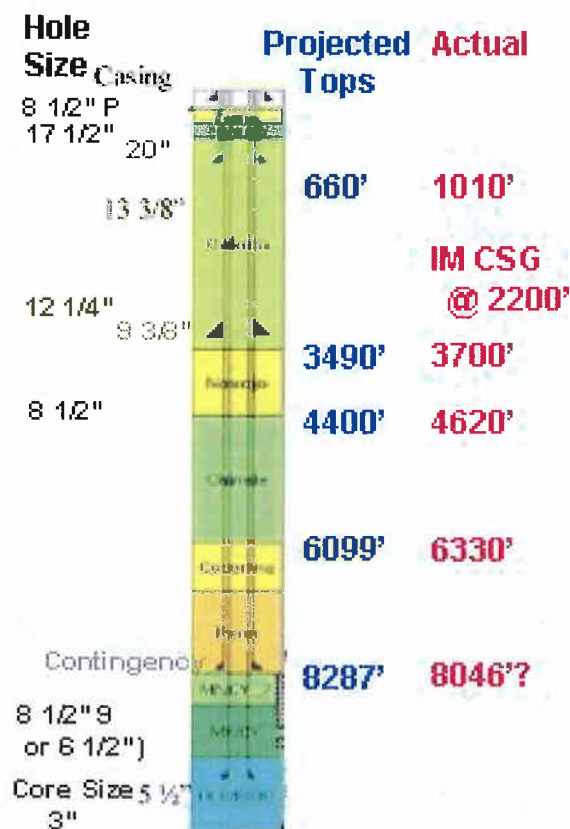
Play type: Basin Centered Gas

Objective: Manning Canyon Fm. (Miss.)

Permit Depth: 10200'

KB: 5595' (TVD-SS) / 26' AGL

Mud System: WBM – min. 5000 mg/L Ct



Operations Review

HSE: 0 recordable incidents.

1 bbl WBM spilled – cleaned up fully

Ops: Drilled from 8046' to 8337'

Started to core 1 Nov. at 8046'

Currently retrieving Core #14

Look Ahead: Continue to wire-line core.

Recovery of core @ 98%.

Planning: Discussions have started about drilling ahead since no shale has been seen in core. Very little to no gas shows. Re-evaluating the thickness from the base of Coconino to top Manning Canyon. G & G looking in detail at seismic.

Weekly Summary – 12 Nov 2007

Carbon Canal 5-12 Exploration Well, Emery Co., Utah

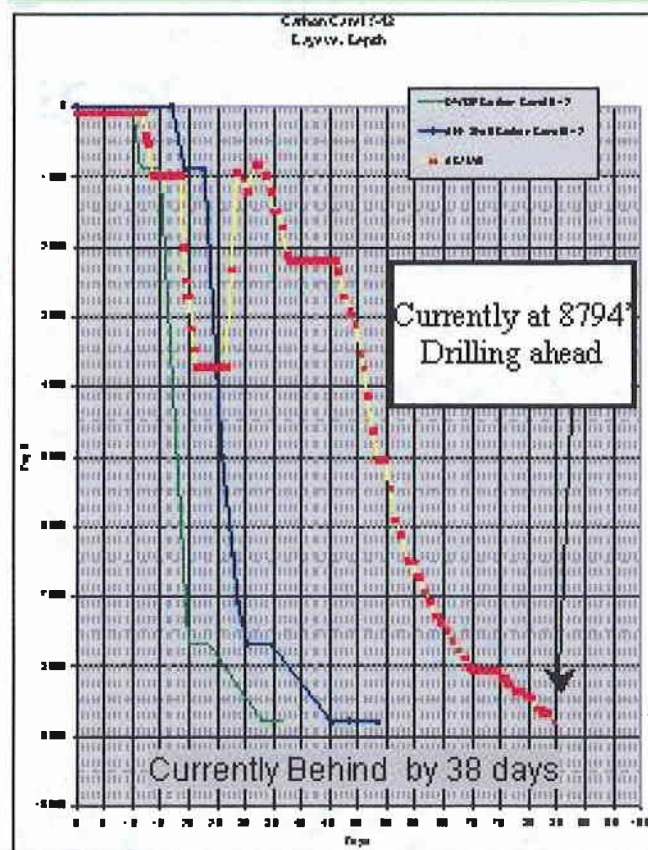
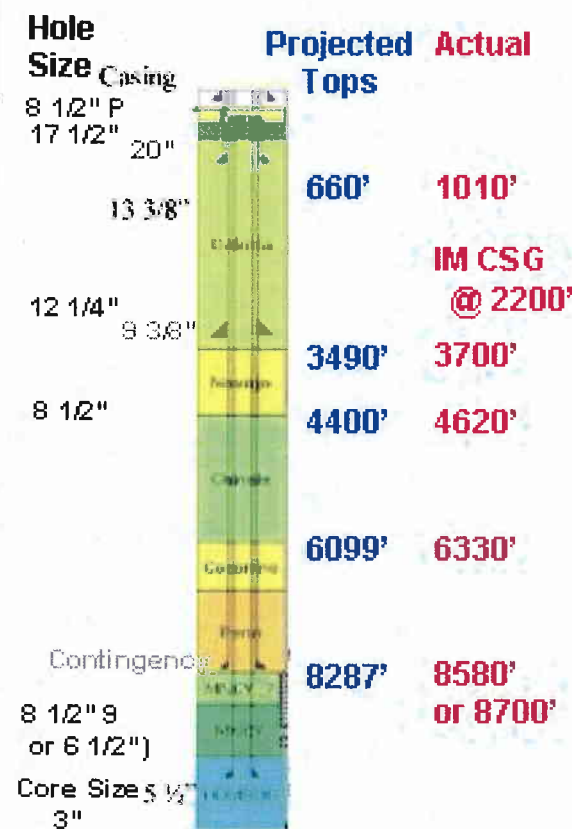
Confidential



Current Depth: 8794'

Operator: 100% SEPCo
Location: T16S 10E Sec. 12, Emery Co., UT
Rig: Nabors 413
Mob Date: Aug 21, 2007
Spud Date: **Aug 29, 2007**
Planned Days (AFE): 45
Play type: Basin Centered Gas

Objective: Manning Canyon Fm. (Miss.)
Permit Depth: 9400'
KB: 5595' (TVD-SS) / 26' AGL
Mud System: WBM – min. 5000 mg/L Ct



Operations Review

HSE: 0 recordable incidents.

0 spills, 0 accidents!

Ops: 6 Nov. went back to drilling after decision that we were NOT in Manning Canyon. Drilled from 8351' to 8613' CBU for sample, pump slug, Trip for coring equipment. Core Point #2 called 10 Nov @ 8615'. Wire-line cored till 8657' – pressure build-up. POOH for conventional drilling equipment. Drilled from 8657' – 8794'.

Look Ahead: Continue to drill to core point. Watching for drilling break and gas show.

Planning: Discussions on where the top of the Manning Canyon is. Two possibilities, 8580' or 8700'. Core the remaining MC then drill 200' rat hole.

Weekly Summary – 19 Nov 2007

Carbon Canal 5-12 Exploration Well, Emery Co., Utah

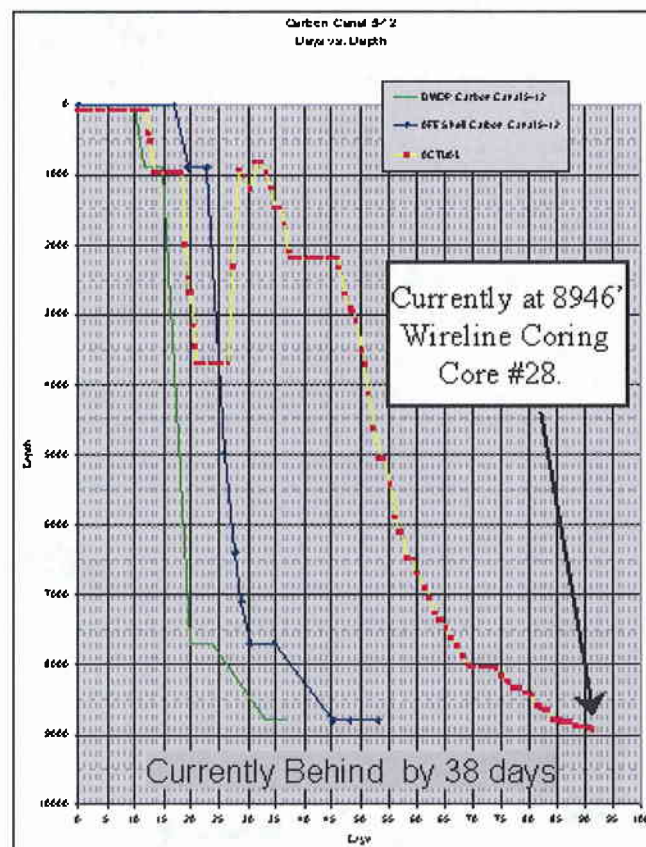
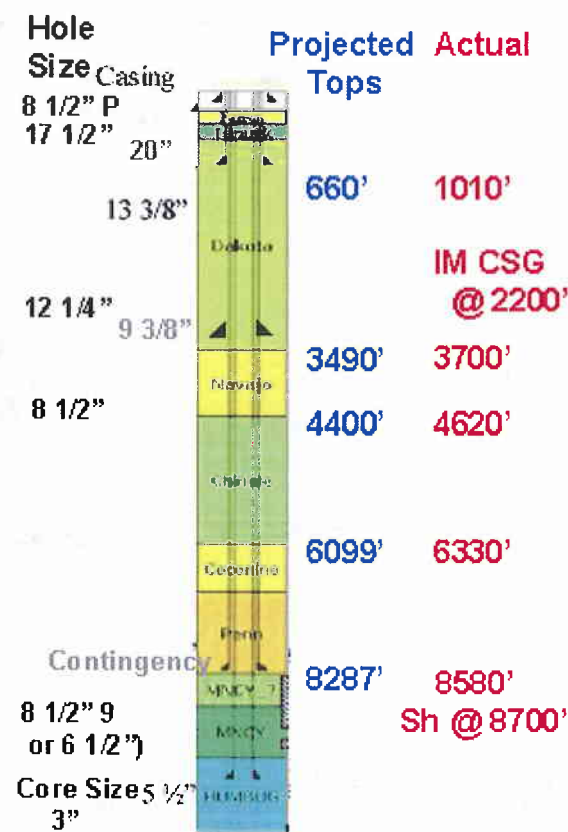
Confidential



Current Depth: 8946'

Operator: 100% SEPCo
Location: T16S 10E Sec. 12, Emery Co., UT
Rig: Nabors 413
Mob Date: Aug 21, 2007
Spud Date: Aug 29, 2007
Planned Days (AFE): 45
Play type: Basin Centered Gas

Objective: Manning Canyon Fm. (Miss.)
Permit Depth: 10200'
KB: 5595' (TVD-SS) / 26' AGL
Mud System: WBM – min. 5000 mg/L Cl⁻



Operations Review

HSE: 0 recordable incidents.

0 spills, 0 accidents!

Ops: Drilled to 8805' CBU for sample, POOH with drill pipe. Trip for coring equipment. Pick up coring equipment. Core Point #3 called 14 Nov @ 8805'. Wire-line cored till 8831.5' – worn down bit, POOH for check. Rig repair needed, topdrive. 18 Nov. stopped coring at 8909.2' dilled ahead 20' to 8925'. Resumed coring, cut core #27, currently retrieving core #28.

Look Ahead: Continue to core Manning Canyon.

Planning: Start the engagement of the logging vendors and the completions team to get ready to run logs and then casing. Estimated TD 9200'.

Weekly Summary – 26 Nov 2007

Carbon Canal 5-12 Exploration Well, Emery Co., Utah

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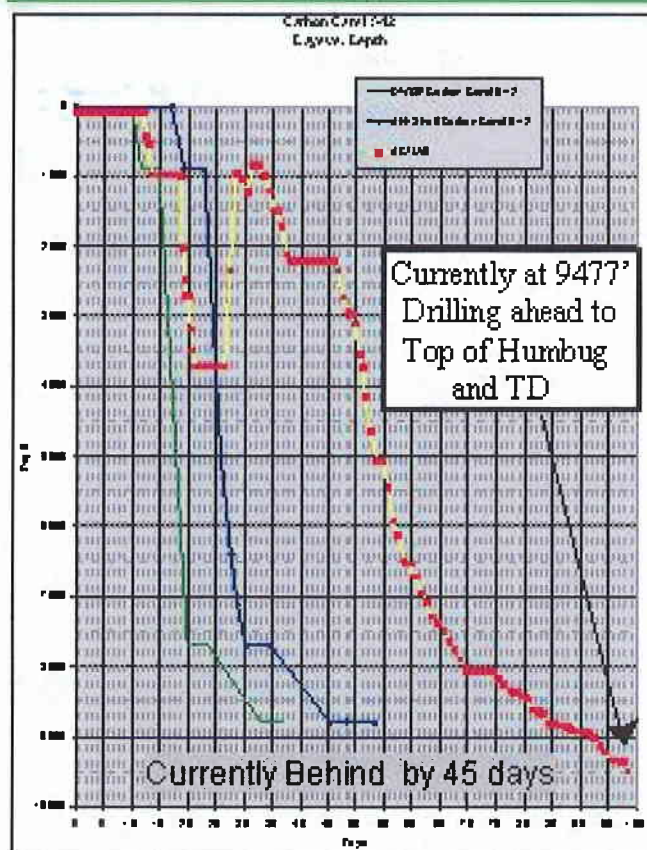


Current Depth: 9477'

Operator: 100% SEPCo
Location: T16S 10E Sec. 12, Emery Co., UT
Rig: Nabors 413
Mob Date: Aug 21, 2007
Spud Date: **Aug 29, 2007**
Planned Days (AFE): 45
Play type: Basin Centered Gas

Objective: Manning Canyon Fm. (Miss.)
Permit Depth: 10200'
KB: 5595' (TVD-SS) / 26' AGL
Mud System: WBM – min. 5000 mg/L Cf

Hole Size	Casing	Projected Tops	Actual
8 1/2" P	17 1/2"		
	20"		
13 3/8"		660'	1010'
			IM CSG
12 1/4"	9 3/8"	3490'	3700'
			@ 2200'
8 1/2"		4400'	4620'
		6099'	6330'
Contingency		8287'	8570'
			Sh @ 8700'
8 1/2" 9		8988'	9623'
or 8 1/2"			
Core Size 5 1/2"			
3"			



Operations Review

HSE: 0 recordable incidents.

0 spills, 0 accidents!

Ops: Wire-line cored from 8946' - 9352'. At 9324' core bbl wouldn't seed, put in drill rod, drilled 5', resumed coring. Stopped coring on 25 Nov. due to slow ROP's and a decrease in gas shows @ 9352'. Overall core recovery 97%. Cut ~500' of gas bearing, interbedded ls, sands, silts, and shales. Drilled ahead from 9353' – 9477'.

Look Ahead: Continue to drill to the top of Humbug. Drill 200 ft rathole.

Planning: Line up logging vendors and continue to engage the completions team. Get ready to run logs and finalize details for completion casing. Estimated TD ~ 9800'.



SWEPI LP

CONFIDENTIAL

Overnight Delivery

February 4, 2008

SWEPI LP

700 Milam St, PNT 14012
Houston, TX 77002
713-546-6305 office
713-546-6671 fax
e.hardesty@shell.com

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

RE: Shell Exploration & Production Co.
Carbon Canal 5-12 Well; API # 43-015-30709
Monthly Report-November 2007 & December 2007

Dear Sir or Madam:

Attached please find Form 9 "Sundry Notices and Report on Wells" for the Carbon 5-12 Well Monthly Report for January 2008. The Utah Division of Oil, Gas and Mining ("UDOGM") agrees that the Monthly Reports generated by Shell Exploration and Production Company ("SEPCO") shall not be disclosed for a twelve (12) month period, which shall commence to run from the date that the Monthly Report is furnished to the UDOGM. The UDOGM will not show, display, divulge, trade, or otherwise disclose the Monthly Reports to or with any third party or to the public in a general manner, except as may be required by law, without SEPCO's express written consent.

Please note that we have suspended drilling on the Carbon Canal 5-12 Well unit until core analysis has been completed. Final completions are scheduled for late February early March 2008. The Carbon Canal 5-12 Well is a tight hole exploration well.

Please contact me at (713) 546-6305 with any questions.

Kindest Regards,

Elizabeth Hardesty
Exploration Geologist

Cc: Ms. LaVonne Garrison with the SITLA

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FEB 11 2008

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER _____

2. NAME OF OPERATOR:

SWEPI LP

3. ADDRESS OF OPERATOR:

200 N. Dairy Ashford CITY Houston STATE TX ZIP 77079

PHONE NUMBER:

(713) 546-6305

5. LEASE DESIGNATION AND SERIAL NUMBER:

ML-49116 Surface

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

NA

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

Carbon Canal 5-12

9. API NUMBER:

4301530709

10. FIELD AND POOL, OR WILDCAT:

Wildcat

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2127' FNL, 649'FWL

COUNTY: Emery

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 16S 10E S

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: January 2008
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	Monthly report

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached find the January 2008 monthly report. This report is for the entire month of January since no operational activity took place.

NAME (PLEASE PRINT) Elizabeth C. Hardesty

TITLE Geologist

SIGNATURE

DATE 2/5/2008

(This space for State use only)

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FEB 11 2008

DIV. OF OIL, GAS & MINING

Monthly Summary – January 2008

Carbon Canal 5-12 Exploration Well, Emery Co., Utah

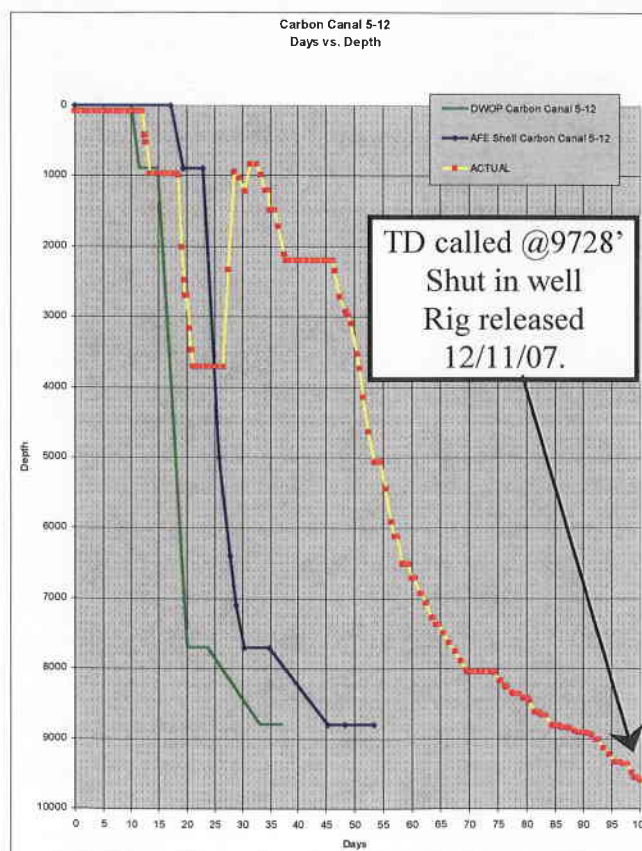


Current Depth: 9728' Shut in all month awaiting Completions

Operator: 100% SEPCo
 Location: T16S 10E Sec. 12, Emery Co., UT
 Rig: Nabors 413
 Mob Date: Aug 21, 2007
 Spud Date: **Aug 29, 2007**
 Planned Days (AFE): 45
 Play type: Basin Centered Gas

Objective: Manning Canyon Fm. (Miss.)
 Permit Depth: 10200'
 KB: 5595' (TVD-SS) / 26' AGL
 Mud System: WBM – min. 5000 mg/L Cl⁻

Hole Size	Casing	Projected Tops	Actual On-site Mud
8 1/2" P	17 1/2"		
	20"		
	13 3/8"	660'	1010'
			IM CSG @ 2200'
12 1/4"	9 3/8"	3490'	3700'
		4400'	4620'
8 1/2"		6099'	6330'
		8287'	8570'
		8988'	Sh @ 8700'
			9623'
			9728'



Operations Review

HSE: n/a

Ops: Currently Shut in and awaiting Completions to begin.

Look Ahead: Completions should be started the last week of 25 Feb. or 3 March.

Planning: Core Analysis data being received and reviewed. One full set of dry cuttings were sent to the Utah Core Research Center in Salt Lake City, UT.

Questions: Contact Elizabeth Hardesty, Geologist
 Shell E & P at 713.546.6305 (office)



SWEPI LP

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Overnight Delivery

March 4, 2008

SWEPI LP

700 Milam St, PNT 14012
Houston, TX 77002
713-546-6305 office
713-546-6671 fax
e.hardesty@shell.com

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

RE: Shell Exploration & Production Co.
Carbon Canal 5-12 Well; API # 43-015-30709
Monthly Report-November 2007 & December 2007

Dear Sir or Madam:

Attached please find Form 9 "Sundry Notices and Report on Wells" for the Carbon 5-12 Well Monthly Report for February 2008. The Utah Division of Oil, Gas and Mining ("UDOGM") agrees that the Monthly Reports generated by Shell Exploration and Production Company ("SEPCO") shall not be disclosed for a twelve (12) month period, which shall commence to run from the date that the Monthly Report is furnished to the UDOGM. The UDOGM will not show, display, divulge, trade, or otherwise disclose the Monthly Reports to or with any third party or to the public in a general manner, except as may be required by law, without SEPCO's express written consent.

Please note that we have suspended drilling on the Carbon Canal 5-12 Well unit until core analysis has been completed. Final completions are scheduled for late February early March 2008. The Carbon Canal 5-12 Well is a tight hole exploration well.

Please contact me at (713) 546-6305 with any questions.

Kindest Regards,

Elizabeth Hardesty
Exploration Geologist

Cc: Ms. LaVonne Garrison with the SITLA

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MAR 04 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116 Surface
2. NAME OF OPERATOR: SWEPI LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 200 N. Dairy Ashford CITY Houston STATE TX ZIP 77079		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE 2127'FNL, 649'FWL		8. WELL NAME and NUMBER: Carbon Canal 5-12
5. PHONE NUMBER: (832) 337-1085		9. API NUMBER: 4301530709
6. QTR/QTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNW 12 16S 10E S		10. FIELD AND POOL, OR WILDCAT: Wildcat

COUNTY: Emery

STATE: UTAH

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: February 2008 Monthly Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

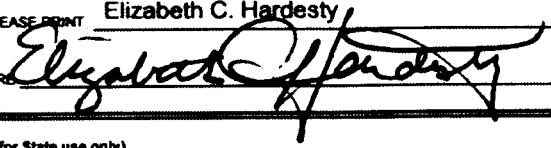
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached please find the February 2008 monthly report. These are dated 5 Feb., 18 Feb., and the 25 Feb. The only operational activity that took place during this time was a CBL was ran 27 February.

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MAR 04 2008

DIV. OF OIL, GAS & MINING

NAME PLEASE PRINT: Elizabeth C. Hardesty	TITLE: Geologist
SIGNATURE: 	DATE: 3/4/2008

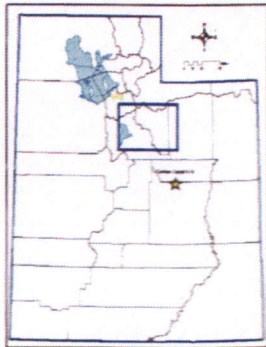
(This space for State use only)

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MAR 04 2008

Weekly Summary – Feb 5, 2008

DIV. OF OIL, GAS & MINING

Confidential**Carbon Canal 5-12 Exploration Well, Emery Co., Utah****Current Depth: 9728'****Shut in all month awaiting Completions**

Operator: 100% SEPCo

Location: T16S 10E Sec. 12, Emery Co., UT

Rig: Nabors 413

Mob Date: Aug 21, 2007

Spud Date: **Aug 29, 2007**

Planned Days (AFE): 45

Play type: Basin Centered Gas

Objective: Manning Canyon Fm. (Miss.)

Permit Depth: 10200'

KB: 5595' (TVD-SS) / 26' AGL

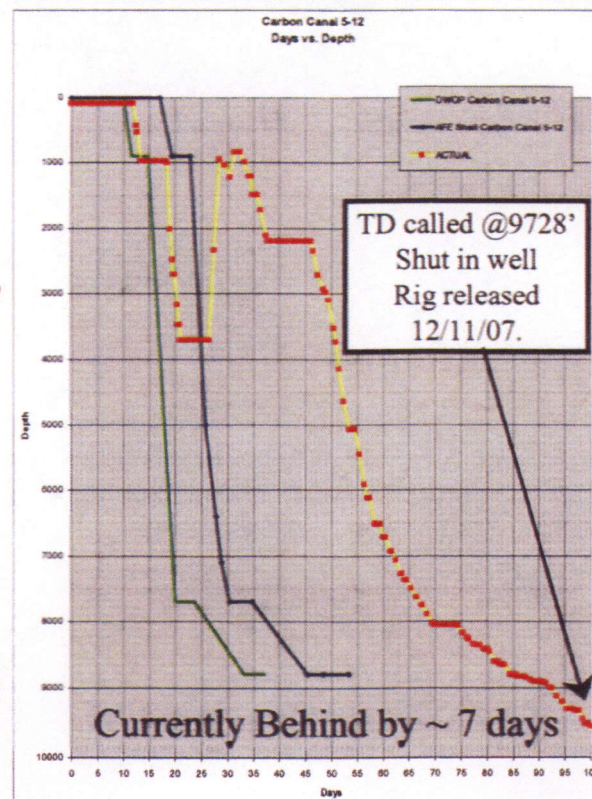
Mud System: WBM – min. 5000 mg/L Cl⁻

Max. Anticipated Temp: 220°F

Morning Call **Inactive**: 6:30 MT / 7:30 CT

(847) 619 6360 - 6070668#

Hole Size	Casing	Projected Tops	Actual On-site Mud
8 1/2" P	17 1/2"		
	20"		
	13 3/8"	660'	1010'
			IM CSG @ 2200'
12 1/4"	9 3/8"	3490'	3700'
8 1/2"		4400'	4620'
		6099'	6330'
Contingency		8287'	8570'
8 1/2" 9 or 6 1/2"		8988'	Sh @ 8700'
Core Size 5 1/2" 3"			9623'
			9728'

**Operations Review**

HSE: We are checking on the site location to insure safety for the Completions crew. This includes the cattle gate, proper equipment for well control, and durability of the access road.

Ops: Currently Shut in and awaiting Completions to begin. Design of the Completions fracture is underway.

Look Ahead: Completions should be started the last week of 25 Feb. or 3 March. Updated tops are being evaluated from the cased hole log data.

Planning: Core Analysis data being received and reviewed. One full set of dry cuttings were sent to the Utah Core Research Center in Salt Lake City, UT.

Questions: Contact Elizabeth Hardesty, Geologist
Shell E & P at 713.546.6305 (office)

Bi-Weekly Summary – Feb 18, 2008

MAR 04 2008

DIV. OF OIL, GAS & MINING

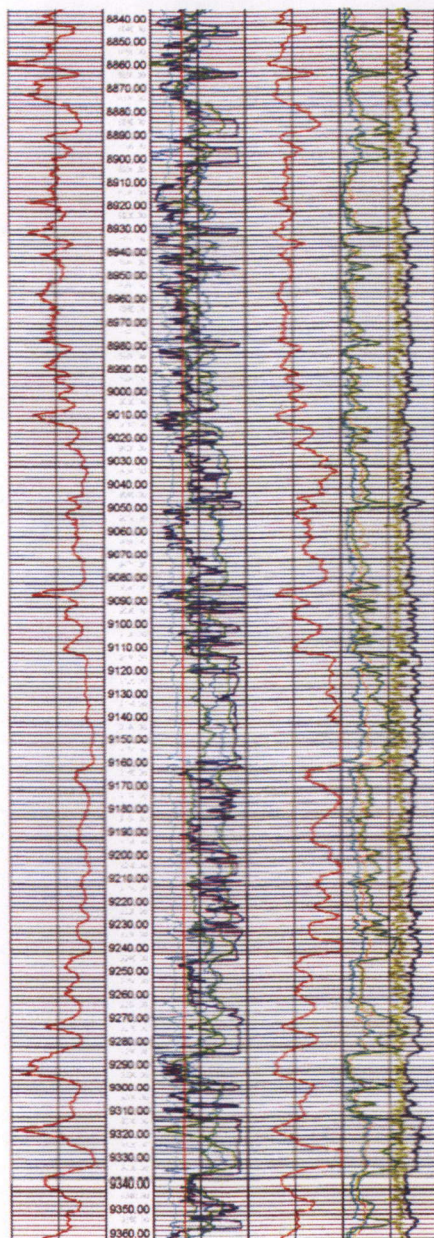
Confidential



Carbon Canal 5-12 Exploration Well, Emery Co., Utah

Current Depth: 9728'

Shut in & awaiting Completions



Completion Intervals

Upper Zone

Possible CO₂ Migration uphole
Coals give possible water issue

Mid Zone

Main Fracture/
Production Zone
Potential Horizontal

Lower Zone

Depends on CO₂
Would be plugged
Off after frac

Operator: 100% SEPCo
Spud Date: Aug 29, 2007
Location: T16S 10E Sec. 12, Emery Co., UT
Play type: Basin Centered Gas
Objective: Manning Canyon Fm. (Miss.)
Morning Call: 2:00-3:00 PM CST
713.423.0600 or 866.761.0750 PC:
42756925#

Hole Size
8 1/2" P
17 1/2"

12 1/4"

8 1/2"

8 1/2" 9
or 6 1/2"

Core Size
3"

On-site
Mud

1010'

IM CSG
@ 2200'

3700'

4620'

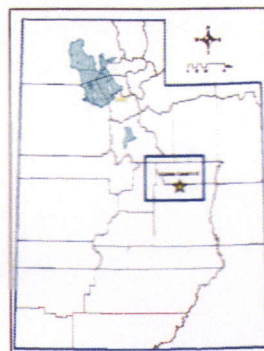
6330'

8570'

Sh @ 8700'

9623'

9728'



Operations Review

HSE: We are checking on the site location to insure safety for the Completions crew. Informing the community/BLM that we will be flaring. Land Owner contacted.

Ops: Currently Shut in and awaiting Completions to begin. Design of the Completions fracture is underway.

Look Ahead: Completions should be started the week of 3 March. Updated tops are being evaluated from the cased hole log data.

Planning: Core Analysis data being received and reviewed. Preparation for travel to site has started. Journey management plans distributed.

Questions: Elizabeth Hardesty,
Geologist Shell E & P
at 713.546.6305 (office)

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MAR 04 2008

Weekly Summary – 18 Feb – 25 Feb, 2008

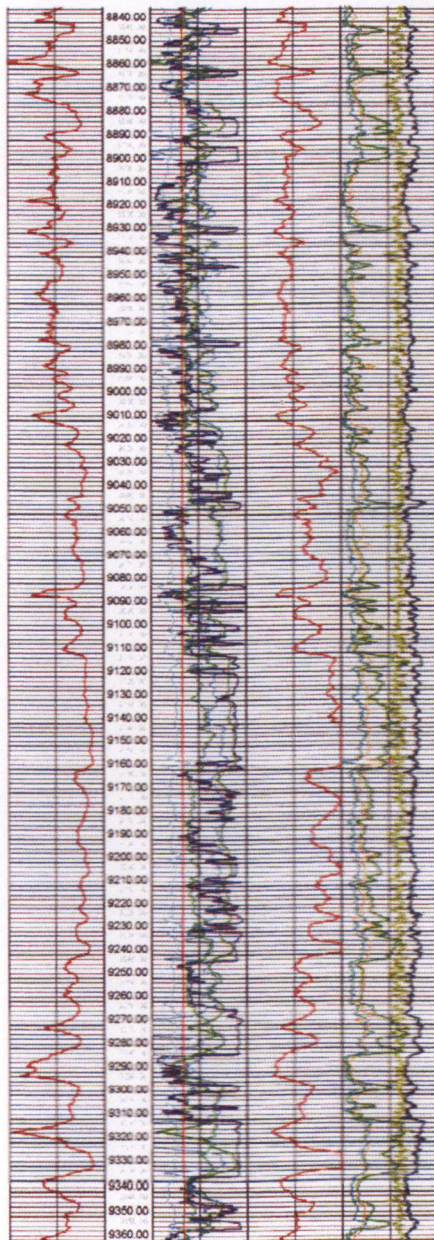
Confidential
DIV. OF OIL, GAS & MINING



Carbon Canal 5-12 Exploration Well, Emery Co., Utah

Current Depth: 9728'

Shut in & awaiting Completions



Completion Intervals

Upper Zone

Possible CO₂
Migration uphole
Coals give possible
water issue

Flowing 21 days
Co-mingled

Mid Zone

Main Fracture/
Production Zone
Potential Horiz.

Flowing 21 days
Co-mingled

Lower Zone

Depends on CO₂
Would be plugged
off after Frac

Flowing 7 days

Operator: 100% SEPCo

Spud Date: Aug 29, 2007

Location: T16S 10E Sec. 12, Emery Co., UT

Play type: Basin Centered Gas, Mixed Lith.

Objective: Manning Canyon Fm. (Miss.)

Data review Call: 2:00-3:00 PM CST

713.423.0600 or 866.761.0750 PC:

42756925#

Test Results

Testing to
begin the
Week of
24 March.

Hole Size

8 1/2" P
17 1/2"

12 1/4"

8 1/2"

8 1/2" 9
or 6 1/2"

Core Size
3"

On-site Mud

1010'

IM CSG
@ 2200'

3700'

4620'

6330'

8570'

Sh @ 8700'

9623'

9728'

Operations Review

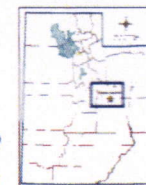
HSE: We have informed the state that we will be flaring, and no additional permits are needed. The land Owner has been contacted about our return to the property. Journey management plans distributed.

Ops: Currently Shut in and awaiting Completions. Re-running the CBL 27 Feb.

Look Ahead: Design of the completions fracture is underway in Denver. Completions should be started the week of 24 March. Preparation for travel to site has started.

Planning: Core Analysis data are being received and reviewed. Updated tops are being evaluated from the cased hole log data.

Elizabeth Hardesty,
Geologist Shell E & P
713.546.6305 (office)





SWEPI LP

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Overnight Delivery

March 4, 2008

SWEPI LP

700 Milam St, PNT 14012
Houston, TX 77002
713-546-6305 office
713-546-6671 fax
e.hardesty@shell.com

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

RE: Shell Exploration & Production Co.
Carbon Canal 5-12 Well; API # 43-015-30709
Monthly Report-November 2007 & December 2007

Dear Sir or Madam:

Attached please find Form 9 "Sundry Notices and Report on Wells" for the Carbon 5-12 Well Monthly Report for February 2008. The Utah Division of Oil, Gas and Mining ("UDOGM") agrees that the Monthly Reports generated by Shell Exploration and Production Company ("SEPCO") shall not be disclosed for a twelve (12) month period, which shall commence to run from the date that the Monthly Report is furnished to the UDOGM. The UDOGM will not show, display, divulge, trade, or otherwise disclose the Monthly Reports to or with any third party or to the public in a general manner, except as may be required by law, without SEPCO's express written consent.

Please note that we have suspended drilling on the Carbon Canal 5-12 Well unit until core analysis has been completed. Final completions are scheduled for late February early March 2008. The Carbon Canal 5-12 Well is a tight hole exploration well.

Please contact me at (713) 546-6305 with any questions.

Kindest Regards,

Elizabeth Hardesty
Exploration Geologist

Cc: Ms. LaVonne Garrison with the SITLA

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MAR 07 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

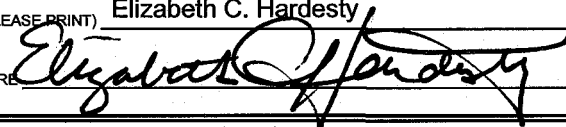
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116 Surface
2. NAME OF OPERATOR: SWEPI LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 200 N. Dairy Ashford CITY Houston STATE TX ZIP 77079		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2127'FNL, 649'FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 16S 10E S		8. WELL NAME and NUMBER: Carbon Canal 5-12
PHONE NUMBER: (832) 337-1085		9. API NUMBER: 4301530709
COUNTY: Emery		10. FIELD AND POOL, OR WILDCAT: Wildcat
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
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	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: February 2008 Monthly Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached please find the February 2008 monthly report. These are dated 5 Feb., 18 Feb., and the 25 Feb. The only operational activity that took place during this time was a CBL was ran 27 February.

NAME (PLEASE PRINT) Elizabeth C. Hardesty	TITLE Geologist
SIGNATURE 	DATE 3/4/2008

(This space for State use only)

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MAR 07 2008

DIV. OF OIL, GAS & MINING

Weekly Summary – Feb 5, 2008



Carbon Canal 5-12 Exploration Well, Emery Co., Utah

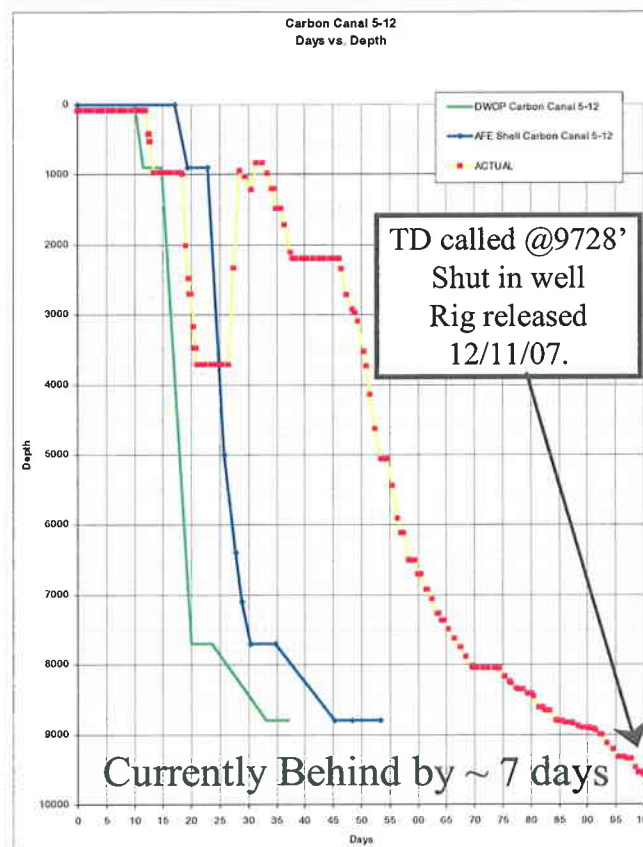


Current Depth: 9728' Shut in all month awaiting Completions

Operator: 100% SEPCo
Location: T16S 10E Sec. 12, Emery Co., UT
Rig: Nabors 413
Mob Date: Aug 21, 2007
Spud Date: Aug 29, 2007
Planned Days (AFE): 45
Play type: Basin Centered Gas

Objective: Manning Canyon Fm. (Miss.)
Permit Depth: 10200'
KB: 5595' (TVD-SS) / 26' AGL
Mud System: WBM – min. 5000 mg/L Cl-
Max. Anticipated Temp: 220°F
Morning Call **Inactive**: 6:30 MT / 7:30 CT
(847) 619 6360 - 6070668#

Hole Size	Casing	Projected Tops	Actual On-site Mud
8 1/2" P	17 1/2"		
	20"		
	13 3/8"	660'	1010'
			IM CSG @ 2200'
12 1/4"	9 3/8"	3490'	3700'
8 1/2"		4400'	4620'
		6099'	6330'
Contingency		8287'	8570'
8 1/2" 9 or 6 1/2"		8988'	Sh @ 8700'
Core Size 5 1/2" 3"			9623'
			9728'



Operations Review

HSE: We are checking on the site location to insure safety for the Completions crew. This includes the cattle gate, proper equipment for well control, and durability of the access road.

Ops: Currently Shut in and awaiting Completions to begin. Design of the Completions fracture is underway.

Look Ahead: Completions should be started the last week of 25 Feb. or 3 March. Updated tops are being evaluated from the cased hole log data.

Planning: Core Analysis data being received and reviewed. One full set of dry cuttings were sent to the Utah Core Research Center in Salt Lake City, UT.

Questions: Contact Elizabeth Hardesty, Geologist
Shell E & P at 713.546.6305 (office)

Bi-Weekly Summary – Feb 18, 2008



Carbon Canal 5-12 Exploration Well, Emery Co., Utah

Current Depth: 9728'

Shut in & awaiting Completions

Operator: 100% SEPCo
Spud Date: Aug 29, 2007
Location: T16S 10E Sec. 12, Emery Co., UT
Play type: Basin Centered Gas
Objective: Manning Canyon Fm. (Miss.)
Morning Call: 2:00-3:00 PM CST
713.423.0600 or 866.761.0750 PC:
42756925#

Completion Intervals

Upper Zone

Possible CO₂
Migration uphole
Coals give possible
water issue

Mid Zone

Main Fracture/
Production Zone
Potential Horizontal

Lower Zone

Depends on CO₂
Would be plugged
Off after frac

Hole
Size
8 1/2" P
17 1/2"

12 1/4"

8 1/2"

8 1/2" 9
or 6 1/2")
Core Size
3"

On-site
Mud

1010'

IM CSG
@ 2200'

3700'

4620'

6330'

8570'

Sh @ 8700'

9623'

9728'



Operations Review

HSE: We are checking on the site location to insure safety for the Completions crew. Informing the community/BLM that we will be flaring. Land Owner contacted.

Ops: Currently Shut in and awaiting Completions to begin. Design of the Completions fracture is underway.

Look Ahead: Completions should be started the week of 3 March. Updated tops are being evaluated from the cased hole log data.

Planning: Core Analysis data being received and reviewed. Preparation for travel to site has started. Journey management plans distributed.

Questions: Elizabeth Hardesty,
Geologist Shell E & P
at 713.546.6305 (office)

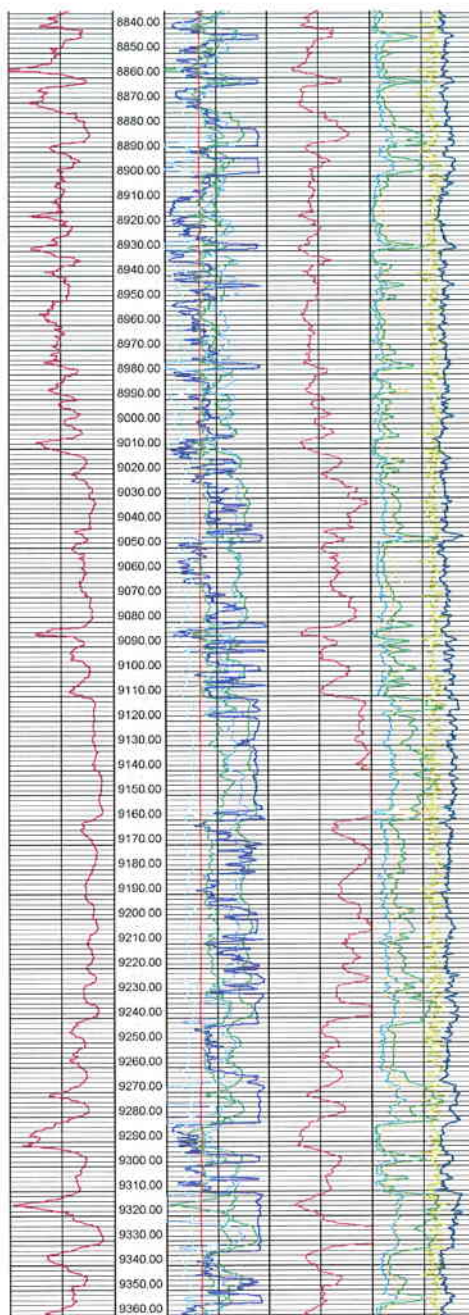
Weekly Summary – 18 Feb – 25 Feb, 2008



Carbon Canal 5-12 Exploration Well, Emery Co., Utah

Current Depth: 9728'

Shut in & awaiting Completions



Completion Intervals

Upper Zone

Possible CO₂ Migration uphole
Coals give possible water issue

Flowing 21 days
Co-mingled

Mid Zone

Main Fracture/
Production Zone
Potential Horiz.

Flowing 21 days
Co-mingled

Lower Zone

Depends on CO₂
Would be plugged
off after Frac

Flowing 7 days

Operator: 100% SEPCo

Spud Date: Aug 29, 2007

Location: T16S 10E Sec. 12, Emery Co., UT

Play type: Basin Centered Gas, Mixed Lith.

Objective: Manning Canyon Fm. (Miss.)

Data review Call: 2:00-3:00 PM CST

713.423.0600 or 866.761.0750 PC:

42756925#

Test Results

Testing to
begin the
Week of
24 March.

Hole Size

8 1/2" P
17 1/2"

12 1/4"

8 1/2"

8 1/2" 9
or 6 1/2"

Core Size
3"

On-site
Mud

1010'

IM CSG
@ 2200'

3700'

4620'

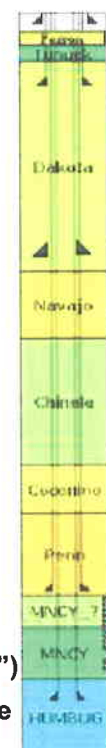
6330'

8570'

Sh @ 8700'

9623'

9728'



Operations Review

HSE: We have informed the state that we will be flaring, and no additional permits are needed. The land Owner has been contacted about our return to the property. Journey management plans distributed.

Ops: Currently Shut in and awaiting Completions. Re-running the CBL 27 Feb.

Look Ahead: Design of the completions fracture is underway in Denver. Completions should be started the week of 24 March. Preparation for travel to site has started.

Planning: Core Analysis data are being received and reviewed. Updated tops are being evaluated from the cased hole log data.

Elizabeth Hardesty,
Geologist Shell E & P
713.546.6305 (office)



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116
2. NAME OF OPERATOR: SWEPI LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 200 N. Dairy Ashford CITY Houston STATE TX ZIP 77079		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 649 FWL, 2127 FNL		8. WELL NAME and NUMBER: Carbon Canal 5-12
PHONE NUMBER: (801) 539-0044		9. API NUMBER: 4301530709
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 16S 10E S		10. FIELD AND POOL, OR WILDCAT: Wildcat
COUNTY: Emery		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>3/24/2008</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input checked="" type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

SWEPI LP proposes to complete and flow test the Carbon Canal 5-12 well in the following manner:

- Perform hydraulic fracturing of lowest producing zone; flow test the lowest zone for up to 7 days, 300-500
- Set plug above lowest producing zone,
- Perform hydraulic fracturing of 3 uphole producing zones; flow test the 3 uphole producing zones for up to 21 days. 900-9300

Flow testing and flaring will take about 30 days total.

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MAR 12 2008

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>MICHAEL L. BERGSTROM</u>	TITLE <u>REGULATORY COORDINATOR</u>
SIGNATURE <u>Michael L. Bergstrom</u>	DATE <u>3/7/08</u>

(This space for State use only)

COPY SENT TO OPERATOR

APPROVED BY THE STATE

OF UTAH DIVISION OF OIL, GAS AND MINING

Date: 3-19-2008

Initials: KS DATE: 3/14/08

BY: [Signature] (See Instructions on Reverse Side)

(5/2000)

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MAR 12 2008

DIV. OF OIL, GAS & MINING



SWEPI LP

CONFIDENTIAL

Overnight Delivery

April 12, 2008

SWEPI LP

150 N. Dairy Ashford Rd.
WCK-A, 4054
Houston, TX 77079
832-337-1085 office
e.hardesty@shell.com

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

RE: Shell Exploration & Production Co.
Carbon Canal 5-12 Well; API # 43-015-30709
Monthly Report-March 2008

Dear Sir or Madam:

Attached please find Form 9 "Sundry Notices and Report on Wells" for the Carbon 5-12 Well Monthly Report for March 2008. The Utah Division of Oil, Gas and Mining ("UDOGM") agrees that the Monthly Report generated by Shell Exploration and Production Company ("SEPCO") shall not be disclosed for a twenty-four (24) month period, which shall commence to run from the date that the Monthly Report is furnished to the UDOGM. The UDOGM will not show, display, divulge, trade, or otherwise disclose the Monthly Reports to or with any third party or to the public in a general manner, except as may be required by law, without SEPCO's express written consent.

Please note that final completions were started March 31, 2008. The Carbon Canal 5-12 Well is a tight hole exploration well.

Please contact me at (713) 546-6305 with any questions.

Kindest Regards,

Elizabeth Hardesty
Exploration Geologist

Cc: Ms. LaVonne Garrison with the SITLA

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APR 21 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116 Surface
2. NAME OF OPERATOR: SWEPI LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 200 N. Dairy Ashford Rd. CITY Houston STATE TX ZIP 77079		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (832) 337-1085		8. WELL NAME and NUMBER: Carbon Canal 5-12
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2127' FNL, 649' FWL		9. API NUMBER: 4301530709
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 16S 10E S		10. FIELD AND POOL, OR WILDCAT: Wildcat

COUNTY: **Emery**

STATE: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: March 2008
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	Monthly report

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached find the March 2008 weekly reports for the Carbon Canal 5-12 well. These reports dated 3/3/08, 3/10/08, 3/17/08, 3/24/08, and 3/31/08 summarize progress on the well from March 1st to March 31st, 2008.

NAME (PLEASE PRINT) <u>Elizabeth C. Hardesty</u>	TITLE <u>Geologist</u>
SIGNATURE <u><i>Elizabeth C. Hardesty</i></u>	DATE <u>April 12, 2008</u>

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APR 21 2008

Weekly Summary – 31 Mar, 2008



Carbon Canal 5-12, Emery Co., Utah *Confidential*

Completion Intervals

Stage 4

Possible CO₂
Migration uphole
Coals give possible
water issue

Stage 3

Main Fracture/
Production Zone
Potential Horiz.

Stage 2

PLUG

Stage 1

Depends on CO₂
Will be plugged
off after Frac

Operator: 100% SEPCo
Spud Date: Aug 29, 2007
Location: T16S 10E Sec. 12, Emery Co., UT
Play type: Basin Centered Gas, Mixed Lith.
Objective: Manning Canyon Fm. (Miss.)

Test Results

Stage 1 was perforated Friday March 28th, and flowed back water until loss of pressure. Shut in and built pressure back up to 500 psi, flowed back only water. Loss of pressure Saturday lead to end of testing.

Stages 2, 3, & 4 start April 1st and will be tested commingled for up to 21 days.

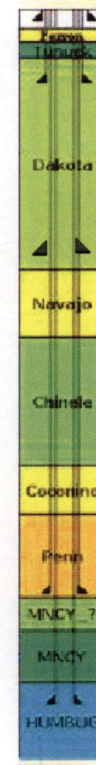
Operations Review

HSE: Stage one completions went to plan with zero HSE incidents.

Ops: Stage 1 perforated Friday March 26, brought on-line Friday at 10:30 AM. Flowed back only water. After one pressure build-up, test died Saturday afternoon.

Look Ahead: Isolating Stage 1 today. Running DFIT Tuesday, April 1st. Perforating Stage 2 throughout the week. Should be flow testing by Friday.

Planning: Core Analysis data are being received and reviewed. Core viewing will be held April 28-May 7 in Houston.



Elizabeth Hardesty,
Geologist Shell E & P
713.546.6305 (office)

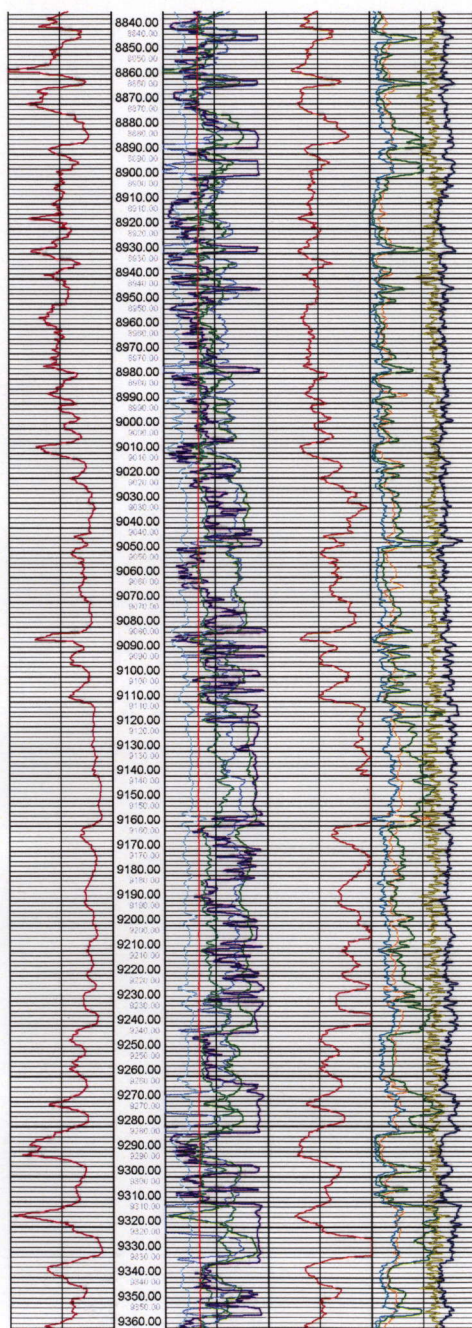
Weekly Summary – 3 Mar – 10 Mar, 2008



Carbon Canal 5-12 Exploration Well, Emery Co., Utah

Current Depth: 9728'

Shut in & awaiting Completions



Completion Intervals

Upper Zone

Possible CO₂
Migration uphole
Coals give possible
water issue

Flowing 21 days
Co-mingled

Mid Zone

Main Fracture/
Production Zone
Potential Horiz.

Flowing 21 days
Co-mingled

Lower Zone

Depends on CO₂
Would be plugged
off after Frac

Flowing 7 days

Operator: 100% SEPCo
Spud Date: Aug 29, 2007
Location: T16S 10E Sec. 12, Emery Co., UT
Play type: Basin Centered Gas, Mixed Lith.
Objective: Manning Canyon Fm. (Miss.)
Data review Call: **2:00-3:00 PM CST**
713.423.0600 or 866.761.0750 PC:
42756925#

Test Results

Testing to
begin the
Week of
24 March.

Hole Size

8 1/2" P
17 1/2"

12 1/4"

8 1/2"

8 1/2" 9
or 6 1/2"

Core Size
3"

On-site Mud

1010'

IM CSG
@ 2200'

3700'

4620'

6330'

8570'

Sh @ 8700'

9623'

9728'



Operations Review

HSE: We have informed the state that we will be flaring, and no additional permits are needed. The land Owner has been contacted about our return to the property. Journey management plans distributed.

Ops: Currently Shut in and awaiting Completions. Re-running the CBL 27 Feb.

Look Ahead: Design of the completions fracture is underway in Denver. Completions should be started the week of 24 March. Preparation for travel to site has started.

Planning: Core Analysis data are being received and reviewed. Updated tops are being evaluated from the cased hole log data.

Elizabeth Hardesty,
Geologist Shell E & P
713.546.6305 (office)



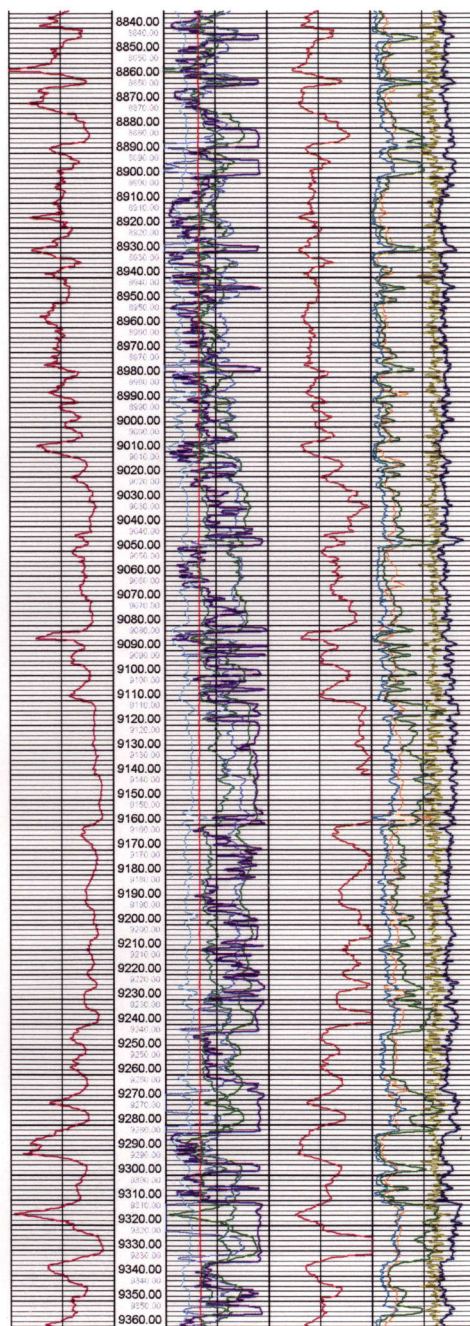
Weekly Summary – 10 Mar – 17 Mar, 2008



Carbon Canal 5-12 Exploration Well, Emery Co., Utah

Current Depth: 9728'

Shut in & awaiting Completions



Completion Intervals

Upper Zone

Possible CO₂ Migration uphole
Coals give possible water issue

Flowing 21 days
Co-mingled

Mid Zone

Main Fracture/
Production Zone
Potential Horiz.

Flowing 21 days
Co-mingled

Lower Zone

Depends on CO₂
Would be plugged
off after Frac

Flowing 7 days

Operator: 100% SEPCo
Spud Date: Aug 29, 2007
Location: T16S 10E Sec. 12, Emery Co., UT
Play type: Basin Centered Gas, Mixed Lith.
Objective: Manning Canyon Fm. (Miss.)
Data review Call: **2:00-3:00 PM CST**
713.423.0600 or 866.761.0750 PC:
42756925#

Test Results

Testing to
begin the
Week of
24 March.

Hole
Size
8 1/2" P
17 1/2"

12 1/4"

8 1/2"

8 1/2" 9
or 6 1/2"

Core Size
3"

On-site
Mud

1010'

IM CSG
@ 2200'

3700'

4620'

6330'

8570'

Sh @ 8700'

9623'

9728'



Operations Review

HSE: We have informed the state that we will be flaring, and no additional permits are needed. The land Owner has been contacted about our return to the property. Journey management plans distributed.

Ops: Currently Shut in and awaiting Completions. Ran the CBL on 27 Feb. Results to be submitted this week.

Look Ahead: Design of the completions fracture is underway in Denver and will be reviewed this week. Completions should be started the week of 24 March. Preparation for travel to site has started.

Planning: Core Analysis data are being received and reviewed. Updated tops are being evaluated from the cased hole log data.

Elizabeth Hardesty,
Geologist Shell E & P
713.546.6305 (office)



Weekly Summary – 17 Mar – 24 Mar, 2008

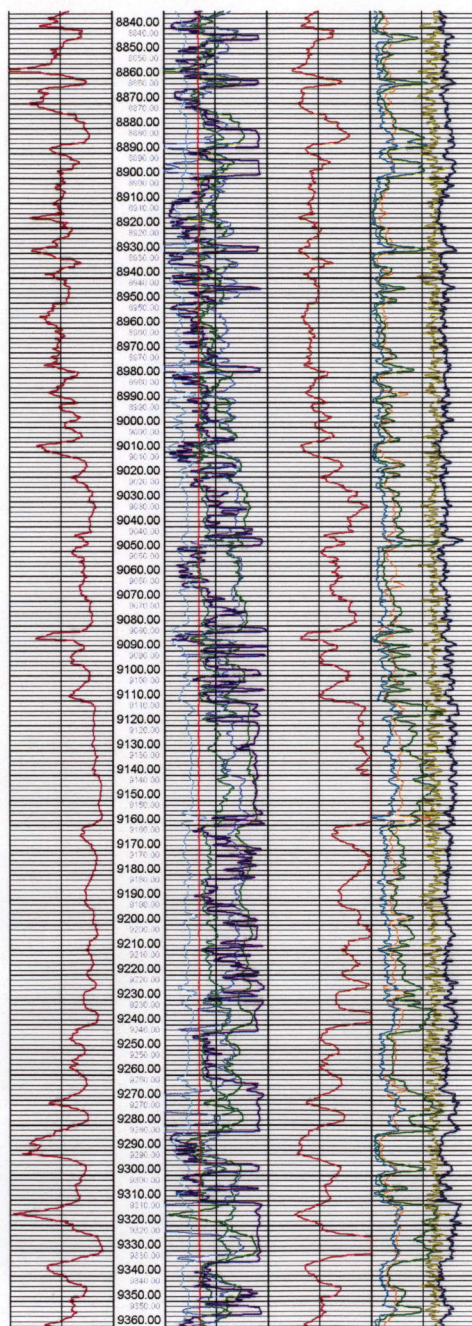
Confidential



Carbon Canal 5-12 Exploration Well, Emery Co., Utah

Current Depth: 9728'

Shut in & awaiting Completions



Completion Intervals

Upper Zone

Possible CO₂ Migration uphole
Coals give possible water issue

Flowing 21 days
Co-mingled

Mid Zone

Main Fracture/
Production Zone
Potential Horiz.

Flowing 21 days
Co-mingled

Lower Zone

Depends on CO₂
Would be plugged
off after Frac

Flowing 7 days

Operator: 100% SEPCo

Spud Date: Aug 29, 2007

Location: T16S 10E Sec. 12, Emery Co., UT

Play type: Basin Centered Gas, Mixed Lith.

Objective: Manning Canyon Fm. (Miss.)

Test Results

Testing to
begin the
Week of
24 March.

Hole
Size

8 1/2" P
17 1/2"

12 1/4"

8 1/2"

8 1/2" 9
or 6 1/2"

Core Size
3"

On-site
Mud

1010'

IM CSG
@ 2200'

3700'

4620'

6330'

8570'

Sh @ 8700'

9623'

9728'



Operations Review

HSE: We have informed the state that we will be flaring, and no additional permits are needed. The land Owner has been contacted about our return to the property. Journey management plans distributed.

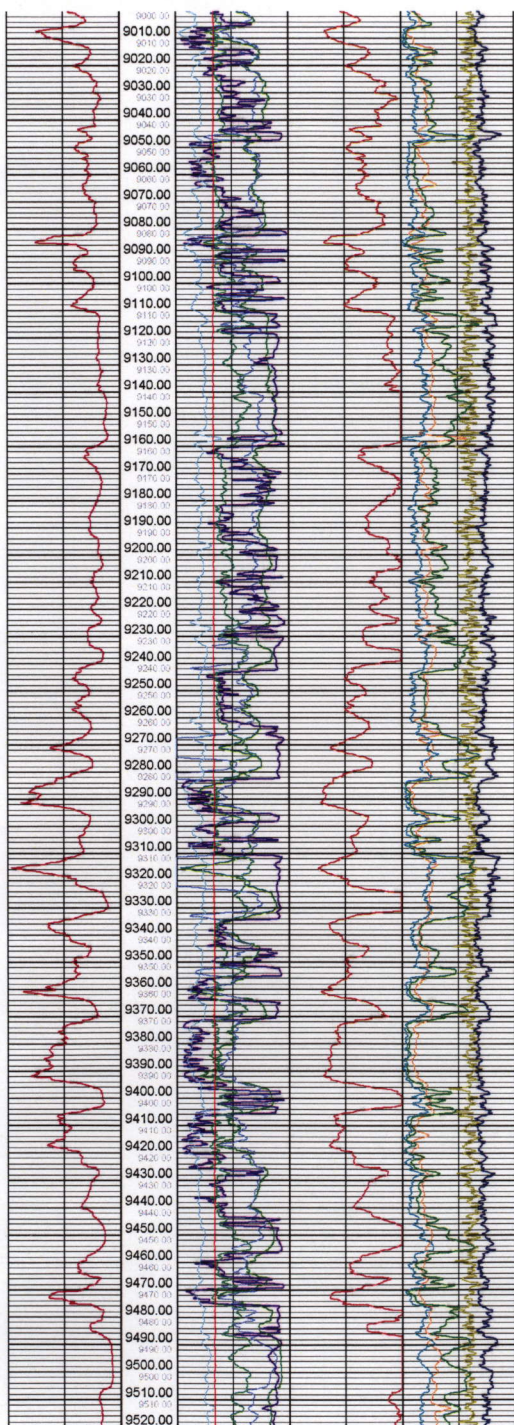
Ops: Currently Shut in and awaiting Completions. Ran the CBL on 27 Feb and results indicate isolation in the lower zone.

Look Ahead: Design of the completions fracture were reviewed last week. Completions should be started the week of 27 March. Preparation for travel to site has started.

Planning: Core Analysis data are being received and reviewed. Updated tops are being evaluated from the cased hole log data.

Elizabeth Hardesty,
Geologist Shell E & P
713.546.6305 (office)





Completion Intervals

Stage 4

Possible CO₂
Migration uphole
Coals give possible
water issue

Stage 3

Main Fracture/
Production Zone
Potential Horiz.

Stage 2

Stage 1

Depends on CO₂
Will be plugged
off after Frac

Weekly Summary – 24 Mar, 2008

Carbon Canal 5-12, Emery Co., Utah



Confidential

Current Depth: 9728' Completions will begin 26 March

Operator: 100% SEPCo
Spud Date: Aug 29, 2007
Location: T16S 10E Sec. 12, Emery Co., UT
Play type: Basin Centered Gas, Mixed Lith.
Objective: Manning Canyon Fm. (Miss.)

Operations Review

HSE: We have informed the state and community that we will be flaring, and no additional permits are needed. The land Owner has been contacted about our return to the property. Journey management plans distributed.

Ops: Flow test equipment has arrived onsite. CWOP took place March 18th. Completions should be started the 26 March, Wed. **Look Ahead:** Flow testing will start Thursday with Stage 1. Estimated FT of Stages 2,3, & 4 set for Apr 3.

Planning: Core Analysis data are being received and reviewed. Core viewing will be held April 28-May 7 in Houston.

Test Results

Testing to
begin the
26 March.

Stage 1 will be
tested for up to 7
days.

Stages 2, 3, & 4
will be tested
Commingled for
up to 21 days.

Hole Size

8 1/2" P
17 1/2"

12 1/4"

8 1/2"

8 1/2" 9
or 6 1/2"

Core Size
3"

On-site Mud

1010'

IM CSG
@ 2200'

3700'

4620'

6330'

8570'

Sh @ 8700'

9623'

9728'



Elizabeth Hardesty,
Geologist Shell E & P
713.546.6305 (office)



CONFIDENTIAL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:
ML-49116 Surface

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
NA

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:
Carbon Canal 5-12

9. API NUMBER:
4301530709

10. FIELD AND POOL, OR WILDCAT:
Wildcat

1. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER _____

2. NAME OF OPERATOR:
SWEPI LP

3. ADDRESS OF OPERATOR:
200 N. Dairy Ashford CITY Houston STATE TX ZIP 77079

PHONE NUMBER:
(713) 546-6466

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2127' FNL, 649' FWL

COUNTY: Emery

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 16S 10E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input checked="" type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

As a result of drilling problems a modified casing program is proposed for the Carbon Canal 5-12 well.

The 13-3/8" casing has been set at 930 feet per the original APD.

NEW CASING PROGRAM (see attached casing diagram)

- 9 5/8" casing will be set at approximately 2200 to 2500 feet.

- A 8 1/2" hole will be drilled to TD. At that time a 5 1/2" casing will be set.

- Contingency Plan: If hole problems are encountered between 2200 feet and TD, a 7 5/8" liner may be set from 2200 feet to approximately 7700 feet to 7900 feet. A 6 3/4" hole will then be drilled out from casing to TD. At that time a 4 1/2" casing will be set.

COPY SENT TO OPERATOR

Date: 10-5-07
Initials: RM

RECEIVED

SEP 27 2007

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Richard W. Lewis

TITLE HSE Advisor

SIGNATURE

DATE

9-27-07

(This space for State use only)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 9/28/07

BY: [Signature]

(5/2000)

(See Instructions on Reverse Side)

* Cement should be of similar type as to that approved on APD and should be circulated up inside previous set casing shoe.

Carbon Canal 5-12

Well Prognosis Rig: Nabors 413

Well: Carbon Canal 5-12
Well Type: Exploratory
Surface Location: 649' FWL, 2127' FNL Sec. 12, T16S, R10E, S.L.B.&M., Emery County, Utah
39° 26' 57.51" N, 110° 45' 22.94" W
Bottomhole Location: Same as surface
Permitted TD: 9400'

Network #: 30067810
CSO %: 8.00%
Field: Southern Uinta
API Well Number: 49-015-30709
GL Elevation (ft): 5570'
KB to GL (ft): 26

Geology	BOP Testing Requirements	Casing and Cement	Hole Size	Hydraulics and Mud Data
			9 1/2" 58" 20x13.5" 10M A-12-38" 50Wx13.5" 3M	
Ferron top 314'			20" Conductor	
Ferron base 439'			17 1/2" Pilot	Fresh Water with Gel Sweeps (inhibit with Gyp/Lime (1tss/hr of each), keep Cas+ 400 - 600 MG/L Utilize Polyswell sweeps or light bent mud up for extreme losses
Dakota 660'				~500 gpm when drilling 8.5" hole ~1200 gpm when drilling 17.5" hole Open to 17-1/2" after reaching csg pt
		13 3/8", 54.5#, K-55, STC	930'	
		9 5/8", 47#, P-110, LTC	2200'-2500'	Low solids 3% KCL Polyplus/Polypac system 9.7-10 ppg
		TOC @ Liner Top		
Navajo 3490'				
Chinle 4400'				
Kaibab 5292'			8 1/2"	
T/Coconino 6099'				Inhibited water based managing losses with air
B/Coconino 5752'				
		7 5/8", 29.7#, P-110, ST-L	7700-7900'	This is a contingency liner
1: GR/Density-Neutron Porosity/Resistivity/Sonic				
Manning Cyn 8287'				
		TOC ~7000'		
B/MNCY 8986'				
Humbug		5 1/2", 20#, P-110 LTC-M if 8-1/2" hole to TD 4 1/2", 13.5#, P-110 LTC-M if contingency liner run	9100-9400'	8 1/2" Hole (6 3/4" if contingency liner set) Low solids 3% KCL Polyplus/Polypac system 9.3-9.5 ppg
1: HNGS-PEX-HRLA-CMR-ECS 2: FMI-MSP				Cement Outside Casing

Issues/Questions



Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Shell Exploration & Production Co.
Pennzoil Place, PNT 14086
700 Milam Street
Houston, TX 77002

September 27, 2007

Subject: Shell Exploration & Production Co.
Carbon Canal 5-12 Well; API #43-015-30709
Sundry Notice – Casing Program Modification

Attached please find Form 9 "Sundry Notices and Report on Wells" for Carbon Canal 5-12 well.
Due to difficulties in drilling the Carbon Canal 5-12 a modified casing program will be implemented.
With exception of the casing program the well will continue to be drilled per APD No. 399.

If you have questions please contact me at (713) 546-6466.

Regards,

A handwritten signature in cursive script that reads "Richard W. Lewis".

Richard W. Lewis
Shell Exploration & Production Company

From: <richard.w.lewis@shell.com>
To: <dustindoucet@utah.gov>
CC: <ken.flodberg@shell.com>, <Martin.Kopacz@shell.com>, <E.Hardesty@shell.com>
Date: 9/27/2007 3:46 PM
Subject: Shell Carbon Canal 5-12 API# 4301530709- Sundry Notice Modified Casing Program
Attachments: Carbon Canal Casing Sundry92007.ZIP

Dustin,

Attached please find a sundry notice with an update to our casing program for Carbon Canal 5-12 near Price, UT. If the new casing program is acceptable please reply to all with your approval. We will then proceed with the new program.

Please contact me if you have questions.

Regards

<<Carbon Canal Casing Sundry92007.ZIP>>

Richard W. Lewis
HSE Advisor
Shell Exploration & Production Company
Pennzoil Tower North 14086, 700 Milam, Houston, TX 77002, United States of America

Tel: +1 713 546 6466 Fax: 6458
Cell: 713 594-2083
Email: richard.w.lewis@shell.com
Internet: <http://www.shell.com/eandp-en>

Well name:	2007-05 SWEPI Carbon Canal 5-12rev.	
Operator:	Shell Western Exp & Prod, Inc. LP	
String type:	Intermediate	Project ID: 43-015-30709
Location:	Emery County	

Design parameters:
Collapse

Mud weight: 10.000 ppg
Design is based on evacuated pipe.

Minimum design factors:
Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 110 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 900 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 2,571 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 3,121 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 2,125 ft

Non-directional string.
Re subsequent strings:

Next setting depth: 9,400 ft
Next mud weight: 9.500 ppg
Next setting BHP: 4,639 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 7,700 ft
Injection pressure: 7,700 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2500	9.625	47.00	P-110	LT&C	2500	2500	8.625	1027.6

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1299	7100	5.467	3121	9440	3.02	100	1213	12.15 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Minerals

Phone: 801-538-5357
FAX: 801-359-3940

Date: September 27, 2007
Salt Lake City, Utah

Remarks:

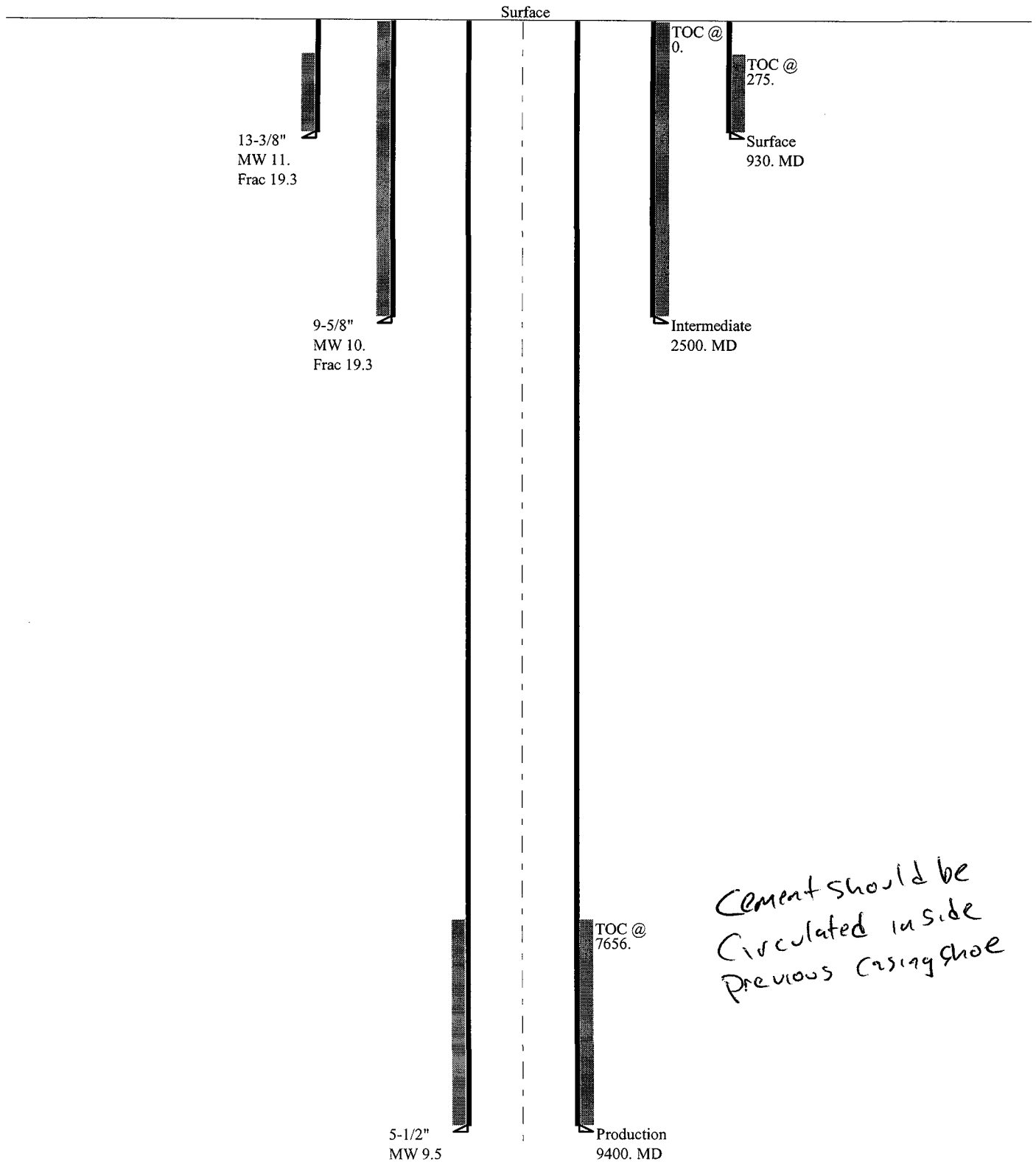
Collapse is based on a vertical depth of 2500 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

2007-05 SWEPI Carbon Canal 5-12rev.

Casing Schematic



*Cement should be
Circulated inside
Previous casing shoe*

Well name:	2007-05 SWEPI Carbon Canal 5-12rev.	
Operator:	Shell Western Exp & Prod, Inc. LP	
String type:	Drilling Liner	Project ID: 43-015-30709
Location:	Emery County	

Design parameters:
Collapse

Mud weight: 9.500 ppg
Design is based on evacuated pipe.

Minimum design factors:
Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 186 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 930 ft

Cement top: 7,460 ft

Liner top: 2,000 ft

Non-directional string.
Burst

Max anticipated surface pressure: 2,951 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 3,899 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 7,063 ft

Re subsequent strings:

Next setting depth: 7,900 ft
Next mud weight: 9.300 ppg
Next setting BHP: 3,817 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 7,900 ft
Injection pressure: 7,900 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	5900	7.625	29.70	P-110	LT&C	7900	7900	6.75	1521

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3899	5350	1.372	3899	9470	2.43	150	769	5.11 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Minerals

Phone: 801-538-5357
FAX: 801-359-3940

Date: September 27, 2007
Salt Lake City, Utah

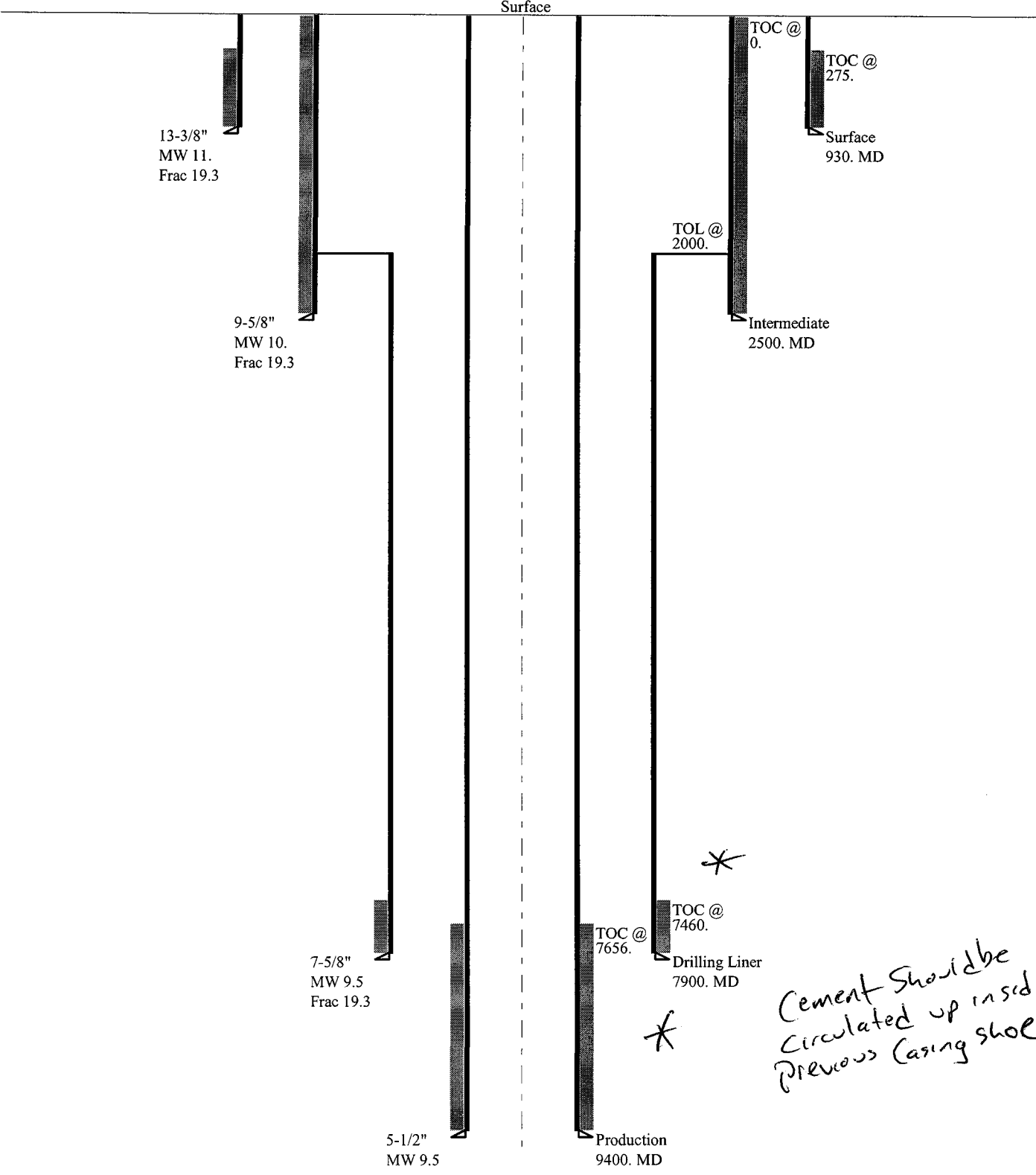
Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 7900 ft, a mud weight of 9.5 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

2007-05 SWEPI Carbon Canal 5-12rev.
Casing Schematic



From: <ken.flodberg@shell.com>
To: <DUSTINDOUCET@utah.gov>, <richard.w.lewis@shell.com>
CC: <E.Hardesty@shell.com>, <Martin.Kopacz@shell.com>
Date: 9/27/2007 4:54 PM
Subject: Re: Shell Carbon Canal 5-12 API# 4301530709- Sundry Notice

Those assumptions are correct.

----- Original Message -----

From: Dustin Doucet <DUSTINDOUCET@utah.gov>
To: Lewis, Richard W SEPCO-EPX-W
Cc: Hardesty, Elizabeth SEPCO-EP-AMERICA; Flodberg, Ken D SEPCO; Kopacz, Martin MA SEPCO-EPB-B
Sent: Thu Sep 27 17:42:07 2007
Subject: Re: Shell Carbon Canal 5-12 API# 4301530709- Sundry Notice

All,

I am o.k. with your proposed changes, however the new cementing program was not provided. I am assuming from the diagram that you are going to circulate cement above the previous casing shoe. I am also assuming for the intermediate and contingency strings that they will be cemented with a slurry similar to that proposed for the original intermediate casing string provided with the APD (50/50 poz) adjusted for annular capacity to bring it to the heights referenced above. I would also assume that the production string cementing program would be modified similarly. Let me know if these are correct assumptions or if you have different plans. Thanks.

Dustin

Dustin K. Doucet
Petroleum Engineer
Utah Division of Oil, Gas and Mining
Oil and Gas Program
1594 West North Temple, Suite 1210
Salt Lake City, UT 84116

Phone: (801) 538-5281
fax: (801) 359-3940
email: dustindoucet@utah.gov

>>> <richard.w.lewis@shell.com> 9/27/2007 3:45 PM >>>
Dustin,

Attached please find a sundry notice with an update to our casing program for Carbon Canal 5-12 near Price, UT. If the new casing program is acceptable please reply to all with your approval. We will then proceed with the new program.

Please contact me if you have questions.

Regards

<<Carbon Canal Casing Sundry92007.ZIP>>

Richard W. Lewis

HSE Advisor
Shell Exploration & Production Company
Pennzoil Tower North 14086, 700 Milam, Houston, TX 77002, United States of America

Tel: +1 713 546 6466 Fax: 6458
Cell: 713 594-2083
Email: richard.w.lewis@shell.com
Internet: <http://www.shell.com/eandp-en>

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Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Shell Exploration & Production Co.
Pennzoil Place, PNT 14086
700 Milam Street
Houston, TX 77002

October 1, 2007

Subject: Shell Exploration & Production Co.
Carbon Canal 5-12 Well; API #43-015-30709
Monthly Report – September 2007

Attached please find Form 9 “Sundry Notices and Report on Wells” for Carbon Canal 5-12 well monthly report for September 2007.

If you have questions please contact me at (713) 546-6466.

Regards,



Richard W. Lewis
Shell Exploration & Production Company

RECEIVED

OCT 05 2007

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER _____

2. NAME OF OPERATOR:
SWEPI LP

3. ADDRESS OF OPERATOR:
200 N. Dairy Ashford CITY Houston STATE TX ZIP 77079

PHONE NUMBER:
(713) 546-6466

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2127' FNL, 649'FWL

COUNTY: Emery

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWMW 12 16S 10E S

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:
ML-49116 Surface

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
NA

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:
Carbon Canal 5-12

9. API NUMBER:
4301530709

10. FIELD AND POOL, OR WILDCAT:
Wildcat

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: September 2007	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	Monthly Report	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached find the September 2007 weekly summary reports for the Carbon Canal 5-12 well. These reports dated 9/6/2007, 9/17/2007, 9/26/2007 and 10/1/2007 summarize progress on the well from the date of spud (8/31/2007) to September 30, 2007.

NAME (PLEASE PRINT) Richard W. Lewis

TITLE HSE Advisor

SIGNATURE *Richard W. Lewis*

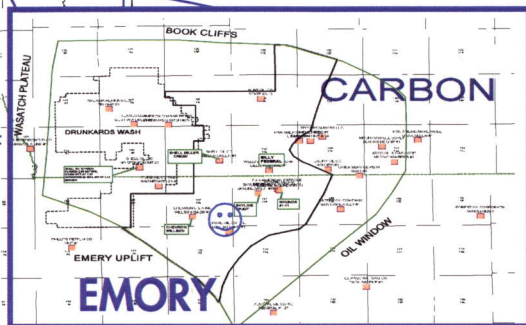
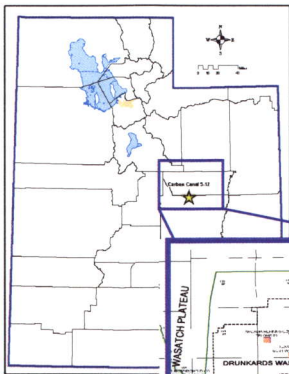
DATE 10/1/07

(This space for State use only)

RECEIVED

OCT 05 2007

DIV. OF OIL, GAS & MINING



Weekly Summary - Sept 6 '07

Carbon Canal 5-12 Exploration Well, Emory Co., Utah

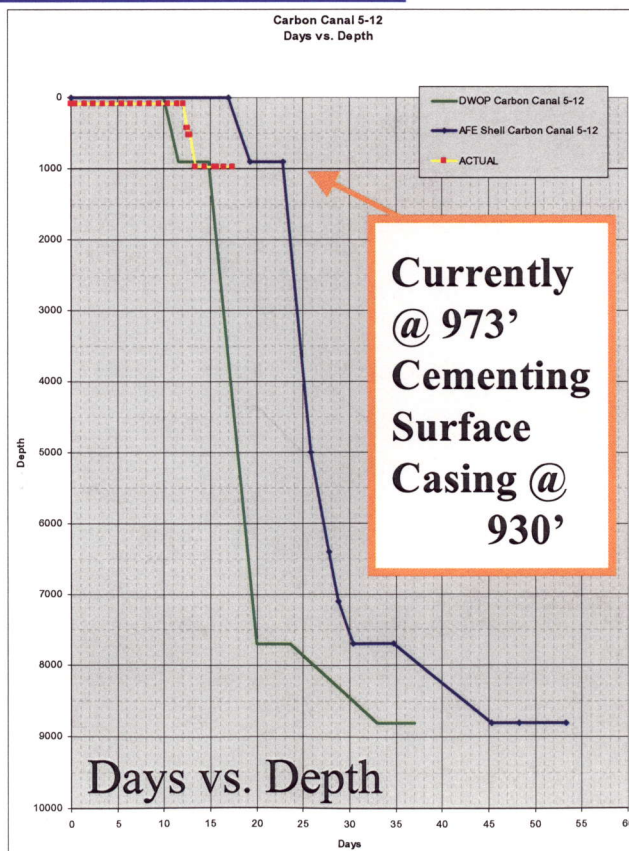
Confidential



Current Depth: 973' TVD

Operator: 100% SWEPI
Location: T16S 10E Sec. 12, Emory Co., UT
Rig: Nabors 413
Mob Date: Aug 21, 2007
Spud Date: Aug 31, 2007
Play type: Basin Centered Gas

Objective: Manning Canyon Fm. (Miss.)
Permit Depth: 9400' - undeviated

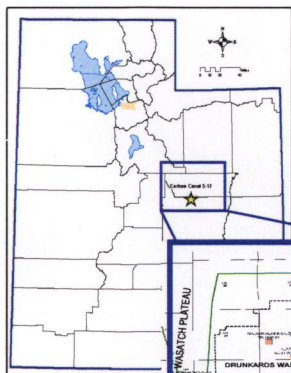


Operations Review

HSE: 0 incidents

Ops: Drilled 8 1/2" pilot hole to 973'
Opened hole to 17 1/2"
Set surface casing at 930' due to stuck pipe.
Finished cementing surface csg.

Look Ahead: Finish testing BOP
Rig-up Weatherford air equipment.
Start to air drill by the weekend



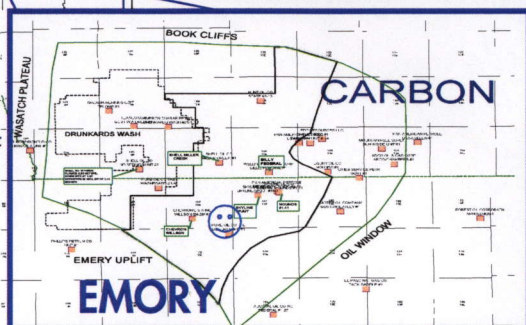
Weekly Summary - Sept 17 '07

Carbon Canal 5-12 Exploration Well, Emory Co., Utah

Confidential



Current Depth: Cementing back to 930'



Operator: 100% SEPCo

Objective: Manning Canyon Fm. (Miss.)

Location: T16S 10E Sec. 12, Emory Co., UT

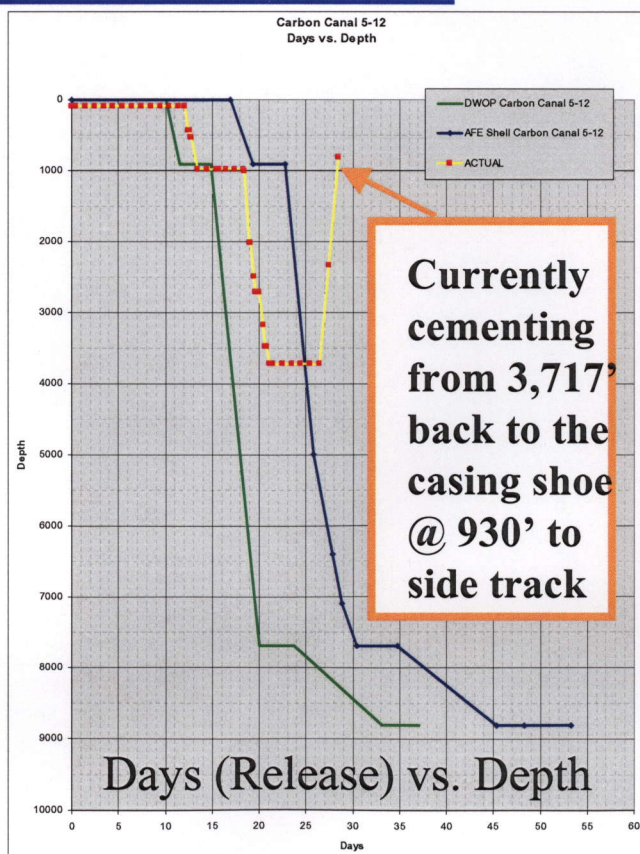
Permit Depth: 9400' - undeviated

Rig: Nabors 413

Mob Date: Aug 21, 2007

Spud Date: Aug 31, 2007

Play type: Basin Centered Gas



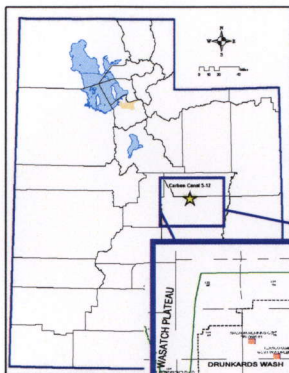
Operations Review

HSE: 0 incidents

Ops: Stuck pipe at 3, 626' in 12 1/4" hole. Attempted to set free, unsuccessful. Ran free point tests, found 100% stuck in 3 locations. Shot 1-9/16" RTG twice to free upper fish, retrieved fish along with large amounts of cuttings at ~1500'. Attempted to get remaining fish, circulated and saw returns from ~2500'. Pipe stuck at ~2500'. Decision made 15 September to plug back and side track from the surface casing shoe at 930'. Circulated and conditioned mud as requested by mud engineer, and set cement plugs

Regulatory: Sundry notice for plugback and side track of well submitted to State 9/17/2007.

Look Ahead: Waiting on cement to set - 24 hours. Drill ahead with water-based mud at an offset to the North-Northeast.



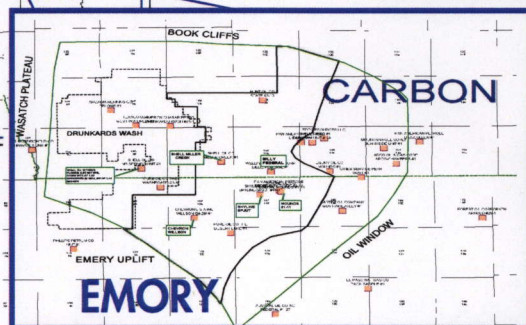
Weekly Summary - Sept 26 '07

Carbon Canal 5-12 Exploration Well, Emory Co., Utah

Confidential



Current Depth: 2140'



Operator: 100% SEPCo

Location: T16S 10E Sec. 12, Emory Co., UT

Rig: Nabors 413

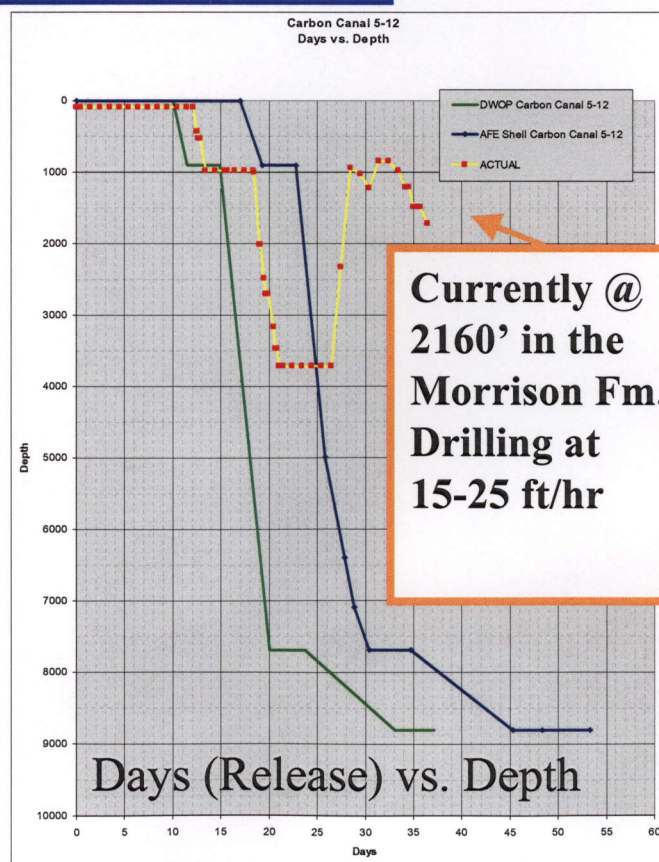
Mob Date: Aug 21, 2007

Spud Date: Aug 31, 2007

Play type: Basin Centered Gas

Objective: Manning Canyon Fm. (Miss.)

Permit Depth: 9400'



Operations Review

HSE: 0 incidents

Ops: Cemented and plugged hole back to surface shoe. 22 of Sept. started drilling bypass at 968'. Slide and Rotary drilled with water based mud to current TD. Stuck pipe at 1203' worked free, circulated, resumed drilling ahead.

Look Ahead: Continue drilling ahead to top of the Navajo.

Planning: Discussions have taken place about where to set intermediate (9 3/8") casing.

Forward: The plan is to drill ahead to 3,000' (estimated to hit on Friday, Sept. 28) and assess the progress made and problems encounter (if any) from now until then.

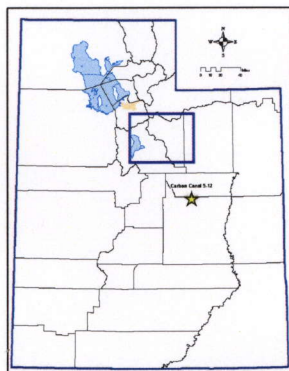
Weekly Summary - Oct 1 '07

Confidential



Carbon Canal 5-12 Exploration Well, Emory Co., Utah

Current Depth: 2200'



Operator: 100% SEPCo

Objective: Manning Canyon Fm. (Miss.)

Location: T16S 10E Sec. 12, Emory Co., UT

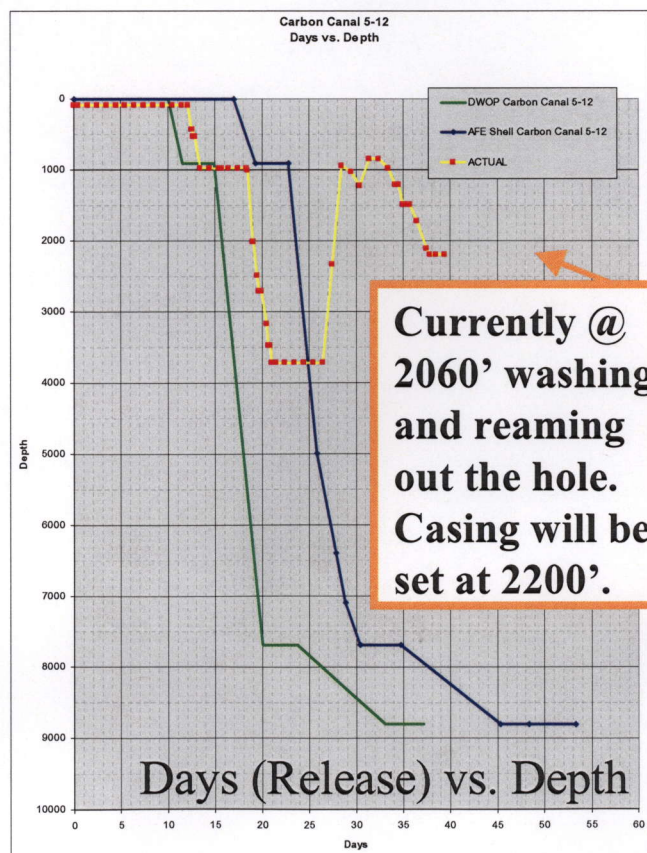
Permit Depth: 9400'

Rig: Nabors 413

Mob Date: Aug 21, 2007

Spud Date: Aug 31, 2007

Play type: Basin Centered Gas



Operations Review

HSE: 0 incidents

Ops: Drilled ahead in bypass hole to 2200'. Hole caving in from just below the surface casing to ~1500'. On 28 Sept. decision was made to set intermediate casing at current TD. Attempting the second try to get casing down. Currently washing and reaming out hole.

Look Ahead: Hopeful that casing will get set by mid-week. Continue drilling ahead to top of the Coconino (~6099')

Planning: A contingency string has been planned for the Coconino Formation, should we hit zones of LC. All communications have been passed along for the changes made to the coring operations. This includes the possibility of 3 1/2" conventional core vs. 3" wireline.



SWEPI LP

CONFIDENTIAL

Overnight Delivery

May 1, 2008

SWEPI LP

150 N. Dairy Ashford Rd.
WCKA, 4054
Houston, TX 77079
832-337-1085 office
e.hardesty@shell.com

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

RE: Shell Exploration & Production Co.
Carbon Canal 5-12 Well; API # 43-015-30709
Monthly Report-April 2008

Dear Sir or Madam:

Attached please find Form 9 "Sundry Notices and Report on Wells" for the Carbon 5-12 Well Monthly Report for April 2008. The Utah Division of Oil, Gas and Mining ("UDOGM") agrees that the Monthly Report generated by Shell Exploration and Production Company ("SEPCO") shall not be disclosed for a twenty-four (24) month period, which shall commence to run from the date that the Monthly Report is furnished to the UDOGM. The UDOGM will not show, display, divulge, trade, or otherwise disclose the Monthly Reports to or with any third party or to the public in a general manner, except as may be required by law, without SEPCO's express written consent.

Please note that final completions were started March 31, 2008., and the well was T&A-ed April 20, 2008. The Carbon Canal 5-12 Well is a tight hole exploration well.

Please contact me at (832) 337-1085 with any questions.

Kindest Regards,

Elizabeth Hardesty
Exploration Geologist

Cc: Ms. LaVonne Garrison with the SITLA

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MAY 07 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116 Surface
2. NAME OF OPERATOR: SWEPI LP	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 200 N. Dairy Ashford Rd. CITY Houston STATE TX ZIP 77079	7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (832) 337-1085	8. WELL NAME and NUMBER: Carbon Canal 5-12
	9. API NUMBER: 43-1530709
	10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2127' FNL, 649'FWL

COUNTY: Emery

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 16S 10E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: April 2008 Monthly Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached find the April 2008 bi-weekly reports for the Carbon Canal 5-12 well. These reports dated 4/7/2008, 4/14/2008, 4/21/2008, and 4/28/2008 summarize the activity on the well from April 1, 2008 to April 31, 2008.

NAME (PLEASE PRINT)

Elizabeth Hardesty

TITLE

Geologist

SIGNATURE

Elizabeth Hardesty

DATE

5/1/08

(This space for State use only)

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MAY 07 2008

DIV. OF OIL, GAS & MINING

April 7, 2008 Carbon Canal 5-12 100%Shell TITE HOLE

Operations and key results: All four stages of perforation and fracing have been completed. The well flowed back 954 bbl at drill out; 429 bbl were from the well, and 525 bbl were pumped down hole. The stage 3 DFIT is being analyzed. Currently cleaning up and flowing 1696 bbl of water (accumulative), and 0 bbl/day gas; gas to flare.

Current MD: 9728' at TD

Plan Forward: Testing of stages 2, 3, and 4 will continue for a maximum of 21 days. Flow testing and diagnostics should be completed by early May. Slabbed core will be ready for viewing at about the same time.

Implications: First test of Manning Canyon Fm; key elements include both productivity and also the CO2 content of the gas (verifying reservoir isolation).

HSSE: No spills or incidents to date.

April 14, 2008 Carbon Canal 5-12 100%Shell TITE HOLE

Operations and key results: Stage one flowed only water. The remaining three fracture stimulation stages were completed safely on April 7. The well initially flowed 284-320 mscfd gas to flare, then loaded up with water and died. Initial gas composition is 93% methane, 4% ethane, 1.4% nitrogen, and .5% CO2. Currently starting a N2 lift with coiled tubing to try to restart gas flow. Water recovery to date ~25%.

Current MD: 9728' at TD

Plan Forward: Unload water and flow test for ~15 days per original prog. Flow testing and diagnostics should be completed by end of April. Slabbed core will be ready for viewing April 28 - May 7.

Implications: First test of Manning Canyon Fm; key elements include both productivity and also the CO2 content of the gas (verifying reservoir isolation).

HSSE: No spills or incidents to date.

April 21, 2008 Carbon Canal 5-12 100%Shell TITE HOLE

Operations: A Coil Tubing N2 lift was applied for 2 days with no signs that the well will flow on it's own. About 4,000' of water was successfully removed from the hole. The well has been shut in as of 4/20, and T&A.

Current MD: 9728' at TD

Plan Forward: The Team will be discussing options and reviewing data over the next month to recommend a plan forward. The slabbed core will be ready for viewing April 28-May7th.

Implications: First test of Manning Canyon Fm gave insight to the key elements of the reservoirs productivity.

HSSE: No incidents to date.

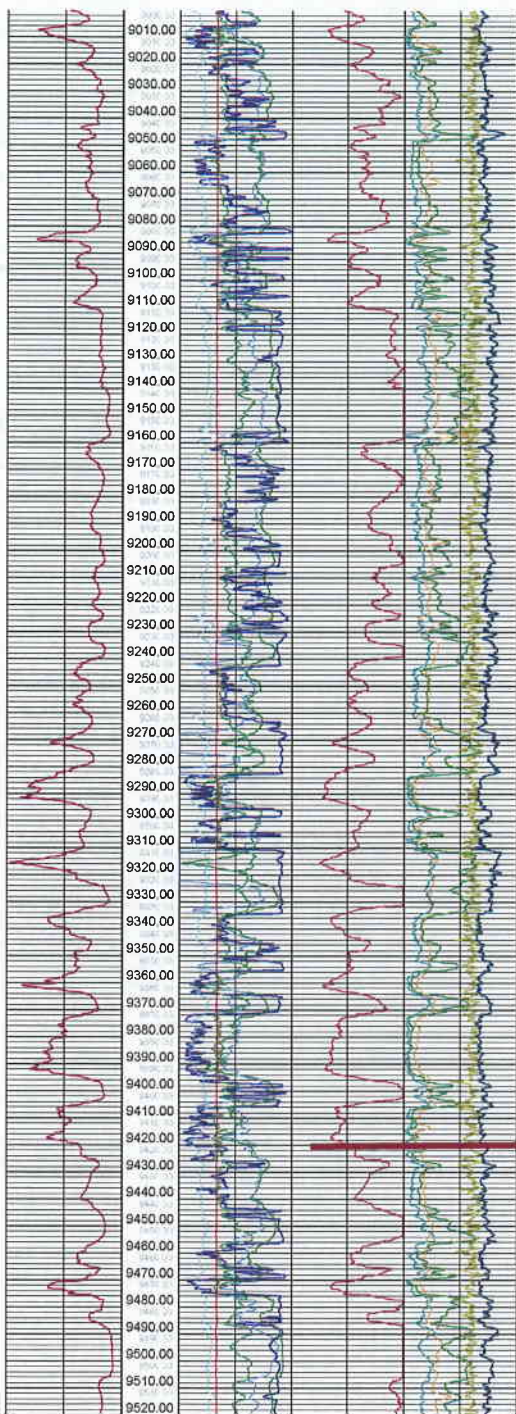
April 28, 2008 Carbon Canal 5-12 100%Shell TITE HOLE

Operations and key results: The well is T&A-ed and further operations are suspended pending analysis of the data and review of the completion design.

Current MD: 9728' at TD

Plan Forward: A data share meeting with the team will be held in Houston May 5 and 6th. The slabbed core is ready for viewing today, and will be available through May 7th.

HSSE: No spills or incidents to date.



Completion Intervals

Stage 4

Possible CO₂
Migration uphole
Coals give possible
water issue

Stage 3

Main Fracture/
Production Zone
Potential Horiz.

Stage 2

PLUG

Stage 1

Depends on CO₂
Will be plugged
off after Frac

Weekly Summary – 14 April, 2008

Carbon Canal 5-12, Emery Co., Utah



Confidential

Operator: 100% SEPCo
Spud Date: Aug 29, 2007
Location: T16S 10E Sec. 12, Emery Co., UT
Play type: Basin Centered Gas, Mixed Lith.
Objective: Manning Canyon Fm. (Miss.)

Test Results

Stages 2, 3, & 4 started April 7 and had major water production with initial gas flow at **320 Mscf/day**. Pressure declined linear to flow rates, and flow ceased April 10 with a last measured gas rate at 83 Mscf/day. Well is currently shut in and awaiting **CT Nitrogen lift**, set to begin today. Survey found we have water to 580'. Fiber Optics show most of the production from **Zone 3**.

Stage 1 was perforated Friday March 28th, and flowed back water until loss of pressure. Shut in and built pressure back up to 500 psi, flowed back only water. Loss of pressure Saturday lead to plug and abandon. Total load recovery 654 bbl cumulative water.



Operations Review

HSE: Stages 2-4 went to plan with zero HSE incidents. Set-up of CT Nitrogen lift starts today after the morning safety meeting.

Ops: Stages 2-4 perforated April 3-7, brought on-line April 7. Flowed back 320 Mscfd gas to flare, then loaded up with water and died. Water recovery to date ~25%.

Look Ahead: Unload water with CT Nitrogen and flowtest for ~15 days per original prog. Flow testing and diagnostics should be complete by end of April '08.

Planning: Core Analysis data are being received and reviewed. Core viewing will be held April 28-May 7 in Houston.



Elizabeth Hardesty,
Geologist Shell E & P
832.337.1085 (office)

NOTICE OF LATE REPORTING DRILLING & COMPLETION INFORMATION

Utah Oil and Gas Conservation General Rule R649-3-6 states that,

- Operators shall submit monthly status reports for each drilling well (including wells where drilling operations have been suspended).

Utah Oil and Gas Conservation General Rule R649-3-21 states that,

- A well is considered completed when the well has been adequately worked to be capable of producing oil or gas or when well testing as required by the division is concluded.
- Within 30 days after the completion or plugging of a well, the following shall be filed:
 - Form 8, Well Completion or Recompletion Report and Log
 - A copy of electric and radioactivity logs, if run
 - A copy of drillstem test reports,
 - A copy of formation water analyses, porosity, permeability or fluid saturation determinations
 - A copy of core analyses, and lithologic logs or sample descriptions if compiled
 - A copy of directional, deviation, and/or measurement-while-drilling survey for each horizontal well

Failure to submit reports in a timely manner will result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

As of the mailing of this notice, the division has not received the required reports for

Operator: SWEPI, LP

Today's Date: 06/27/2008

Well:

CARBON CANAL 5-12

API Number:

4301530709

Drilling Commenced:

08/29/2007

16S 10E 12

☐ List Attached

To avoid compliance action, required reports should be mailed within 7 business days to:

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

If you have questions or concerns regarding this matter, please contact Rachel Medina
at (801) 538-5260.

cc: Well File
Compliance File

Aleta A. Brown
Environmental Specialist

August 6, 2008

File No. 3483

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

**Subject: SWEPI LP Submittal of Well Completion for
Carbon Canal 5-12 Well, API 4301530709**

16S 10E 12

Enclosed is the Well Completion Report for the Carbon Canal 5-12 well located in Emery County, API 4301530709.

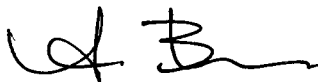
All further correspondence for this well should be directed to Michael Bergstrom with Shell at 303-222-6347 or michael.bergstrom@shell.com. Mr. Bergstrom's mailing address is 4582 South Ulster St. Parkway, Suite 1400, Denver, CO 80237.

SWEPI requests that this well completion and attached information be held confidential.

Please contact me if you require any further information or have any questions 801-539-0044 or abrown@norwestcorp.com.

Yours sincerely,

NORWEST CORPORATION



Aleta A. Brown
Environmental Specialist

Enclosures

Cc: Michael Bergstrom, Shell

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AUG 11 2008

DIV. OF OIL, GAS & MINING

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116	
b. TYPE OF WORK:		NEW WELL <input checked="" type="checkbox"/>	HORIZ. LATS. <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	RE-ENTRY <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	OTHER <input type="checkbox"/>
2. NAME OF OPERATOR: SWEPI LP						6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
3. ADDRESS OF OPERATOR: 200 N. Dairy Ashford CITY Houston STATE TX ZIP 77079						7. UNIT or CA AGREEMENT NAME	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 649 FWL, 2127 FNL AT TOP PRODUCING INTERVAL REPORTED BELOW: AT TOTAL DEPTH: 649 FWL, 2127 FNL						8. WELL NAME and NUMBER: Carbon Canal 5-12	
14. DATE SPUDDED: 8/31/2007						9. API NUMBER: 4301530709	
15. DATE T.D. REACHED: 11/29/2007						10. FIELD AND POOL, OR WILDCAT Wildcat	
16. DATE COMPLETED: 4/6/2008						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 16S 10E S	
17. ELEVATIONS (DF, RKB, RT, GL): 5569.3' GL						12. COUNTY Emery	
18. TOTAL DEPTH: MD 9,731 TVD 9,725						13. STATE UTAH	
19. PLUG BACK T.D.: MD TVD						20. IF MULTIPLE COMPLETIONS, HOW MANY? *	
21. DEPTH BRIDGE PLUG SET: MD 6,420 TVD						22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) GR, RES, DEN, NEU, CMH. Cased hole logs of GR, RST, HNGS, HGNS, MSIP, CBL	
23. WAS WELL CORED? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)							

14. DATE SPUDDED: 8/31/2007	15. DATE T.D. REACHED: 11/29/2007	16. DATE COMPLETED: 4/6/2008	ABANDONED <input type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL): 5569.3' GL
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18. TOTAL DEPTH: MD 9,731 TVD 9,725	19. PLUG BACK T.D.: MD TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE PLUG SET: MD 6,420 TVD
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24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
17.50	13 3/8 K-55	54.4	0	930		G.Poz 990	467	Surf cir	
12.25	9 5/8 P110	47	0	2,170		G.Poz 440	207	800' cal	
8.5	5 1/2 P110	20.0#/ft	0	9,682		G.Poz 1,193	561	3000' cal	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
NA								

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Manning Canyon	9,023	9,080			9,030 9,061	0.43"	40	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) Manning Canyon	9,110	9,283			9,125 9,242	0.43"	36	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C) Manning Canyon	9,310	9,335			9,315 9,351	0.43"	28	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D) Manning Canyon	9,442	9,549			9,465 9,514	0.43"	32	Open <input type="checkbox"/> Squeezed <input checked="" type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
9030' to 9061'	HRWF 3,369 Bbls 64,000#s of 40/70 sand
9125' to 9242'	HRWF 1,846 Bbls 346,000#s of 40/70 sand
9315' to 9351'	HRWF 5,720 Bbls 43,000#s of 40/70 sand, 9465' to 9514' - HRWF 2,175 Bbls 102,000#s 40/70 sand

29. ENCLOSED ATTACHMENTS:

<input checked="" type="checkbox"/> ELECTRICAL/MECHANICAL LOGS	<input type="checkbox"/> GEOLOGIC REPORT	<input type="checkbox"/> DST REPORT	<input type="checkbox"/> DIRECTIONAL SURVEY
<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION	<input type="checkbox"/> CORE ANALYSIS	<input type="checkbox"/> OTHER: _____	

30. WELL STATUS:

Shut-in

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31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 3/28/2008	TEST DATE:	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 0	WATER – BBL: 644	PROD. METHOD: Natural flow
CHOKE SIZE: 14,18,36,48,64	TBG. PRESS. NA	CSG. PRESS. 1300 to 4 PSI	API GRAVITY NA	BTU – GAS NA	GAS/OIL RATIO NA	24 HR PRODUCTION RATES: →	INTERVAL STATUS: Natural flow

Frac Stages A to C

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED: 4/6/2008	TEST DATE:	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 468	WATER – BBL: 1,750	PROD. METHOD: Natural, CT N2 Lift
CHOKE SIZE: 16,18,24,64	TBG. PRESS. NA	CSG. PRESS. 5,200 to 5 PSI	API GRAVITY NA	BTU – GAS 1,052	GAS/OIL RATIO NA	24 HR PRODUCTION RATES: →	INTERVAL STATUS: Natural, CT N2 Lift

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Vented

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
NA				Ferron	473
				Curtis	2,430
				Entrada	2,655
				Navajo Sandstone	3,701
				Chinle	4,605
				Sinbad	5,470
				Coconino Sandstone	6,310
				Manning Canyon	8,573
				Humbug	9,548

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) MICHAEL L. BERGSTROM TITLE REGULATORY COORDINATOR
 SIGNATURE Michael L. Bergstrom DATE 8/1/08

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

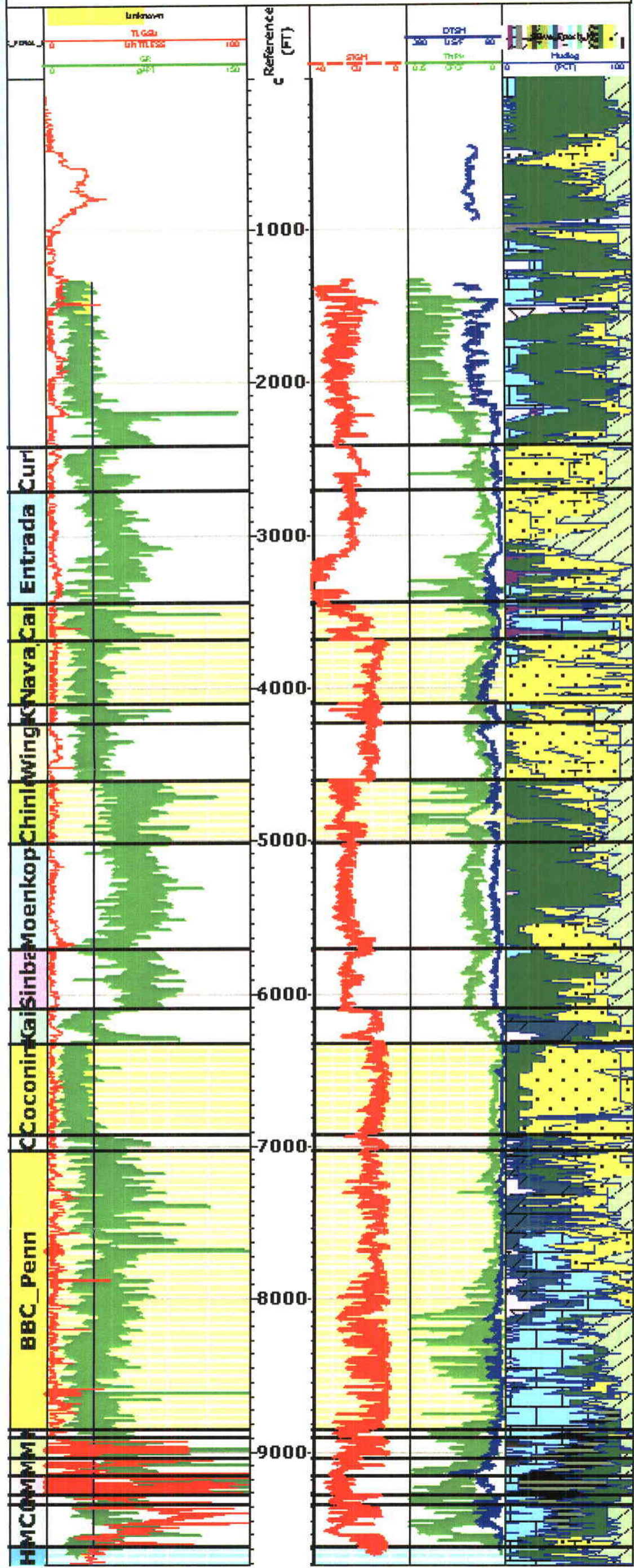
* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
 1594 West North Temple, Suite 1210
 Box 145801
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340
 Fax: 801-359-3940

Well: CC5-12



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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116
2. NAME OF OPERATOR: SWEPI LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 200 N. Dairy Ashford CITY Houston STATE TX ZIP 77079		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 649 FWL, 2127 FNL		8. WELL NAME and NUMBER: Carbon Canal 5-12
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 16S 10E S		9. API NUMBER: 4301530709
COUNTY: Emery		10. FIELD AND POOL, OR WILDCAT: Wildcat
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Extend deadline for</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>reserve pit closure</u>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

SWEPI LP requests an extension to the reserve pit closure deadline for Carbon Canal 5-12 to May 29, 2009 (6 months). SWEPI LP requests the extension to further evaluate reserve pit closure alternatives and complete the closure activities. Please see attached drawing for reserve pit location at Carbon Canal 5-12.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 2-12-09

By: [Signature]

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COPY SENT TO OPERATOR

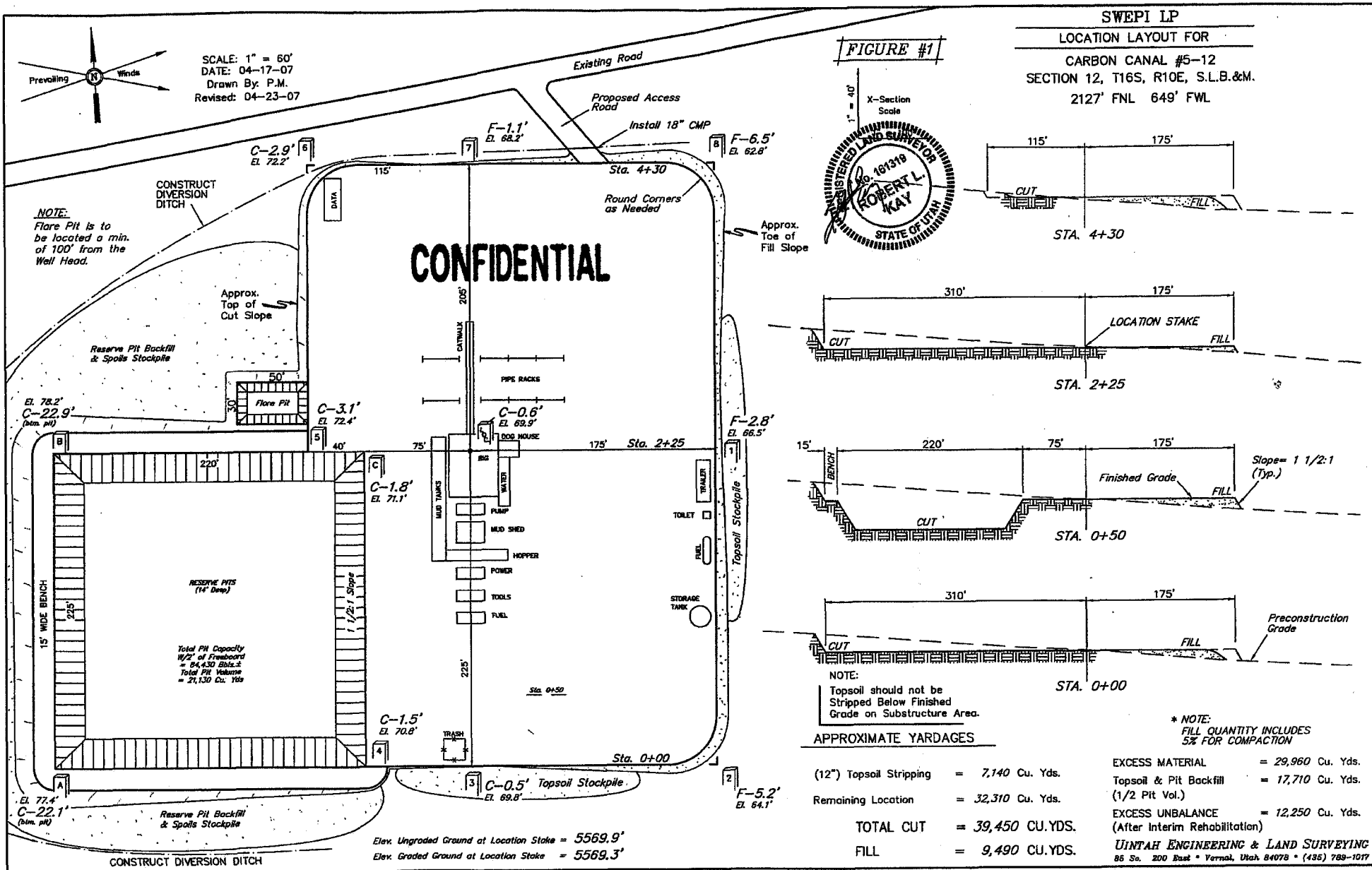
Date: 2-24-2009

Initials: KS

NAME (PLEASE PRINT) <u>Michael L. Bergstrom</u>	TITLE <u>Regulatory Coordinator</u>
SIGNATURE <u>[Signature]</u>	DATE <u>2/2/2009</u>

(This space for State use only)

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FEB 05 2009
DIV. OF OIL, GAS & MINING





Shell Exploration & Production

State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, UT 84114-5801
Attn.: Dustin Doucet, Petroleum Engineer

Shell Exploration & Production Co.

Regulatory Affairs-EP Americas
4582 S. Ulster Street Parkway
Suite 1400
Denver, Colorado 80237

CONFIDENTIAL

February 2, 2009

Subject: Notice of Intent to Extend Deadline
Shell Exploration & Production Co., Carbon Canal 5-12 (API No. 43-015-30709)
Emery County, Utah

Dear Mr. Doucet:

Shell Exploration & Production Company, dba SWEPI LP (Shell) is submitting our Notice of Intent (Form 9) to extend the deadline for reserve pit closure for the subject well to the Utah Division of Oil, Gas & Mining (DOGM) for your review and approval.

Shell requests that DOGM hold any information regarding this well confidential for the period designated under DOGM rules. All documents submitted are clearly marked as "confidential".

If you have any questions or require any additional information regarding this request, please contact me at (303) 222-6347, or Aleta Brown at Norwest in Salt Lake City at (505) 344-7373.

Regards,

Michael L. Bergstrom
Regulatory Coordinator
Shell Exploration & Production Company

Attachments: Form 9
Well Location Map

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FEB 05 2009

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116
2. NAME OF OPERATOR: SWEPI LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 200 N. Dairy Ashford CITY Houston STATE TX ZIP 77079		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 649' FWL, 2127' FNL		8. WELL NAME and NUMBER: Carbon Canal 5-12
5. PHONE NUMBER: (303) 222-6347		9. API NUMBER: 4301530709
6. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 16S 10E S		10. FIELD AND POOL, OR WILDCAT: Wildcat
7. COUNTY: Emery		8. STATE: UTAH

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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Extend Shut-In Well Status</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

SWEPI LP requests an extension of our shut-in well status for Carbon Canal 5-12 for an additional 12 months to April 6, 2010, per Utah R649-3-36. SWEPI LP requests the extension to further evaluate the results of drilling, completion, and testing of this well and the overall wildcat opportunity. The following data are provided to demonstrate well integrity:

Summary of operations and pressure measurements:

Date	Activity
02/29/2008	Cement evaluation log completed, followed by a pressure test of the 5.5" casing to 10,000 psi
04/04/2008	Fracture-stimulate Stage 4 (final stage treated). Casing annuli (5.5" x 9.625", 9.625" x 13.375") pressure measured as 0 psi during the treatment.
04/01/2009	Measure static pressure on 5.5", 5.5" x 9.625", & 9.625" x 13.375" production casing/casing annuli
Casing/Diameter	Date Measured Casing Pressure
Surface/Intermediate	4/4/2008 0 psi
(13.375" X 9.625" annulus)	4/1/2009 < 50 psi
Intermediate/Production	4/4/2008 0 psi
(9.625" X 5.5" annulus)	4/1/2009 275 psi
Production/5.5 inches	2/29/2008 10,000 psi pressure test for 30 minutes
	4/1/2009 4250 psi

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NAME (PLEASE PRINT) <u>Michael L. Bergstrom</u>	TITLE <u>Regulatory Coordinator</u>
SIGNATURE <u><i>Michael L. Bergstrom</i></u>	DATE <u>4/8/2009</u>

(This space for State use only)

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

DATE: 5/16/09
BY: *[Signature]* (See Instructions on Reverse Side)

COPY SENT TO OPERATOR

Date: 5.11.2009
Initials: KS

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DIV. OF OIL, GAS & MINING

D. B. Nasse

04/08/08

MECHANICAL WELL SKETCH

Carbon Canal 5-12

Price Utah

Present

D&C 11/07

KB to GL: 26.0'

Lat: 39° 26' 57.510" N
Long: 110° 45' 22.940" W

CASING DETAIL:

API # 43-015-3070900

CSG	DEPTH	SIZE	WGHT	GRADE	BURST	COLLAPSE	COLLAR	DRIFT	ID	BBL/FT	MUD WT	CEMENT	HOLE	COMMENTS
Surface	0 - 930	13 3/8	54.5	K-55	2730	1130	STC	12.459	12.615	0.1546	8.6 OBM	990 sks	17.5	Full returns bumped plug cmt to surface
Intermediate	0 - 2170	9 5/8	47	P-110	9440	5300	LTC	8.525	8.681	0.0732	11.6 OBM	440 sks	12.25	Full returns bumped plug Calc'd TOC @ 800'
Production	0 - 9682	5.5	20	P-110	12360	11080	LTC-M	4.653	4.778	0.0222	9.6 WBM	1193 sks	8.5	Full returns bumped plug Calc'd TOC @ 3000'

WELLBORE PAY / PRODUCTION SUMMARY:

Flag joints per drill tally at 8281', 8691', 9359'
Flag joints per CBL: 8278', 8791', 9354'

TREE CONNECTION:

DTS: Surface to TD

SAND TOP NFG GF POR Sw ~ BHP ON OFF MMCF COMMENT

Manning Canyon

Stage 4

9023-9080

Stage 3

9110-9283

Stage 2

9310-9335

Stage 1

9442-9549

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TIGHT HOLE**

Proposed COMPLETION DETAIL:

SAND	PERFS	SHOTS	DATE	STATUS	FRAC	LBS(M)	PROP	BHT	FG
Stage 4	9030-9034	16	4/04/08		HRWF	64 #'s	100mesh	170	1.09
	9055-9061	24			40 BPM		40/70 Sand		
Stage 3	9125-9126	4	4/03/08		Hybrid	346 #'s	100mesh	170	0.94
	9185-9188	12			40 BPM		40/70 Sand		
	9205-9208	12							
	9240-9242	8							
Stage 2	9315-9319	16	4/01/08		HRWF	43 #'s	100mesh	170	1.06
	9348-9351	12			40 BPM		40/70 Sand		
CTCO to 9390' - 4/6/2008									
Stage 1	9465-9467	8	3/31/08		Isolated Stage 1 with CIBP and 10' Cement				
	9485-9487	8	3/28/08		HRWF	102 #'s	100mesh	170	0.97
	9510-9514	16			40 BPM		40/70 Sand		

Two 1/2" Braided wires next to DTS to
assist with perforating (8555'-9631')

Plug Depth:

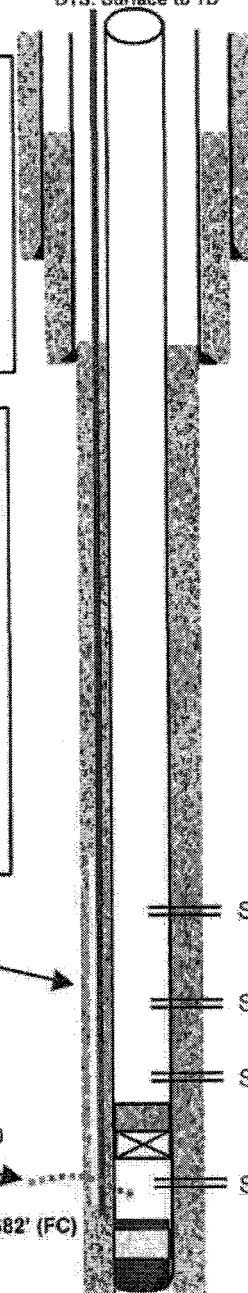
1. 9420' CIBP w/10' cement dump bailed on top

DTS Cable cut during perforating

PBTD: 9682' (FC)

TD: 9731' MD / 9725' TVD

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Shell Exploration & Production

State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, UT 84114-5801
Attn.: Dustin Doucet, Petroleum Engineer

Shell Exploration & Production Co.

Regulatory Affairs-EP Americas
4582 S. Ulster Street Parkway
Suite 1400
Denver, Colorado 80237

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April 8, 2009

Subject: Notice of Intent to Extend Shut-In Well Status
Shell Exploration & Production Co., Carbon Canal 5-12 (API No. 43-015-30709)
Emery County, Utah

Dear Mr. Doucet:

Shell Exploration & Production Company, dba SWEPI LP (Shell) is submitting our Notice of Intent (Form 9) to the Utah Division of Oil, Gas & Mining (DOGM) for your review and approval, to extend Shut-In well status for an additional 12 months for the subject well.

Shell requests that DOGM hold any information regarding this well confidential for the period designated under DOGM rules. All documents submitted are clearly marked as "confidential".

If you have any questions or require any additional information regarding this request, please contact me at (303) 222-6347, or Aleta Brown at Norwest in Salt Lake City at (505) 344-7373.

Regards,

Michael L. Bergstrom
Regulatory Coordinator
Shell Exploration & Production Company

Attachments: Form 9

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APR 14 2009

DIV. OF OIL, GAS & MINING

From: <Michael.Bergstrom@shell.com>
To: JOSHUAPAYNE@utah.gov
Date: 5/5/2009 2:56 PM
Subject: Supplemental Data for Carbon Canal 5-12 (API No. 43-015-30709)

As requested, following is the supplemental information for the Form 9 submitted to DOGM on 4/8/2009.

Well Diagram/Schematic:

<<Well diagram-schematic 20090505.ZIP>>

Explanation of Pressure Build-up in Casing/Casing Annuli:

The production casing (5.5 ") pressure increase is attributable to a build of pressure from the prospective producing formation.

The annulus (5.5" X 9.625") pressure increase is likely attributable to thermal expansion from casing fluids heating up over time.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☒
(highlight changes)

FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA
2. NAME OF OPERATOR: SWEPI LP		7. UNIT or CA AGREEMENT NAME
3. ADDRESS OF OPERATOR: 200 N. Dairy Ashford CITY Houston STATE TX ZIP 77079		8. WELL NAME and NUMBER: Carbon Canal 5-12
PHONE NUMBER: (801) 539-0044		9. API NUMBER: 4301530709
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 649 FWL, 2127 FNL AT TOP PRODUCING INTERVAL REPORTED BELOW: AT TOTAL DEPTH: 649 FWL, 2127 FNL		10. FIELD AND POOL, OR WILDCAT Wildcat
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 16S 10E S		12. COUNTY Emery
13. STATE UTAH		14. DATE SPUDDED: 8/31/2007
15. DATE T.D. REACHED: 11/29/2007		16. DATE COMPLETED: 4/6/2008
ABANDONED <input type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>		17. ELEVATIONS (DF, RKB, RT, GL): 5569.3' GL
18. TOTAL DEPTH: MD 9,731 TVD 9,725		19. PLUG BACK T.D.: MD TVD
20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE PLUG SET: MD 6,420 TVD

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22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
GR, RES, DEN, NEU, CMH. Cased hole logs of GR, RST, HNGS, HGNS, MSIP, CBL

23.
WAS WELL CORED? NO ☐ YES ☒ (Submit analysis)
WAS DST RUN? NO ☐ YES ☒ (Submit report)
DIRECTIONAL SURVEY? NO ☒ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
17.50	13 3/8 K-55	54.4	0	930		G.Poz 990	467	Surf cir	
12.25	9 5/8 P110	47	0	2,170		G.Poz 440	207	800' cal	
8.5	5 1/2 P110	20.0#/ft	0	9,682		G.Poz 1,193	561	3000' cal	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
NA								

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Manning Canyon	9,023	9,080			9,030 9,061	0.43"	40	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) Manning Canyon	9,110	9,283			9,125 9,242	0.43"	36	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C) Manning Canyon	9,310	9,335			9,315 9,351	0.43"	28	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D) Manning Canyon	9,442	9,549			9,465 9,514	0.43"	32	Open <input type="checkbox"/> Squeezed <input checked="" type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
9030' to 9061'	HRWF 3,369 Bbls 64,000#s of 40/70 sand
9125' to 9242'	HRWF 1,846 Bbls 346,000#s of 40/70 sand
9315' to 9351'	HRWF 5,720 Bbls 43,000#s of 40/70 sand, 9465' to 9514' - HRWF 2,175 Bbls 102,000#s 40/70 sand

29. ENCLOSED ATTACHMENTS:

- ☒ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: _____

30. WELL STATUS:

Shut-in

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31. INITIAL PRODUCTION**INTERVAL A (As shown in item #28)**

DATE FIRST PRODUCED: 3/28/2008	TEST DATE: 3/28/2008	HOURS TESTED: 30	TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 0	WATER – BBL: 644	PROD. METHOD: Natural flow
CHOKE SIZE: 14,18,36,48,64	TBG. PRESS. NA	CSG. PRESS. 1300 to 4 PSI	API GRAVITY NA	BTU – GAS NA	GAS/OIL RATIO NA	24 HR PRODUCTION RATES: →	INTERVAL STATUS: Natural flow

Frac Stages A to C**INTERVAL B (As shown in item #28)**

DATE FIRST PRODUCED: 4/6/2008	TEST DATE: 4/6/2008	HOURS TESTED: 63	TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 468	WATER – BBL: 1,750	PROD. METHOD: Natural, CT N2 Lift
CHOKE SIZE: 16,18,24,64	TBG. PRESS. NA	CSG. PRESS. 5,200 to 5 PSI	API GRAVITY NA	BTU – GAS 1,052	GAS/OIL RATIO NA	24 HR PRODUCTION RATES: →	INTERVAL STATUS: Natural, CT N2 Lift

INTERVAL C (As shown in item #28)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL D (As shown in item #28)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**Flared****33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
NA			CONFIDENTIAL	Ferron Curtis Entrada Navajo Sandstone Chinle Sinbad Coconino Sandstone Manning Canyon Humbug	473 2,430 2,655 3,701 4,605 5,470 6,310 8,573 9,548

35. ADDITIONAL REMARKS (Include plugging procedure)**36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.**

NAME (PLEASE PRINT) MICHAEL L. BERGSTROM TITLE REGULATORY COORDINATOR
SIGNATURE Michael L Bergstrom DATE 7/27/09

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940



Shell Exploration & Production

State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, UT 84114-5801
Attn.: Dustin Doucet, Petroleum Engineer

Shell Exploration & Production Co.

Regulatory Affairs-EP Americas
4582 S. Ulster Street Parkway
Suite 1400
Denver, Colorado 80237

CONFIDENTIAL

July 27, 2009

Subject: Amended Well Completion Report (Form 8)
Shell Exploration & Production Co., Carbon Canal 5-12 (API No. 43-015-30709)
Emery County, Utah

Ladies and Gentlemen:

Shell Exploration & Production Company, dba SWEPI LP (Shell) is submitting our Amended Well Completion Report (Form 8) for the subject well to the Utah Division of Oil, Gas & Mining (DOGM) for your review and recordkeeping. As discussed with Dustin Doucet of DOGM, Shell has revised the reported production data to be consistent with DOGM reporting practices. The subject well remains in Shut-In well status.

Shell requests that DOGM hold any information regarding this well confidential for the period designated under DOGM rules. All documents submitted are clearly marked as "confidential".

If you have any questions or require any additional information regarding this request, please contact me at (303) 222-6347, or Aleta Brown at Norwest in Salt Lake City at (505) 344-7373.

Regards,

Michael L. Bergstrom
Regulatory Coordinator
Shell Exploration & Production Company

Attachments: Form 8

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DIV. OF OIL, GAS & MINING



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

September 19, 2011

CERTIFIED MAIL NO.: 7011 0110 0001 3568 1458

Mr. Michael Bergstrom
SWEPI LP
200 N. Dairy Ashford
Houston, TX 77079

43 015 30709
Carbon Canal 5-12
16S 10E 12

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Mr. Bergstrom:

As of January 2011, SWEPI LP has one (1) State Lease Well (see Attachment A) that is currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status.

The Utah Division of Oil, Gas and Mining ("Division") received a sundry dated April 8, 2009, requesting a SI/TA extension. Approval was granted on May 6, 2009, with an extension valid until April 6, 2011, as requested by SWEPI LP. The sundry provided well pressures and other supporting data including an explanation for the purpose to evaluate the well for overall wildcat opportunity. The extension has since expired and an additional year has passed without SWEPI LP showing any indication of efforts being made to move this well out of non-compliance status.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

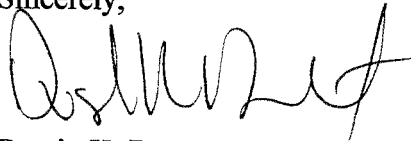
Please note that the Divisions preferred method for showing well integrity is by MIT.

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet
Petroleum Engineer

DKD/JP/js
Enclosure
cc: Compliance File
Well File
LaVonne Garrison, SITLA

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

ATTACHMENT A

	Well Name	API	LEASE	Years Inactive
1	CARBON CANAL 5-12	43-015-30709	ML-49116	2 Years 9 Months

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

5/1/2011

FROM: (Old Operator): N1895-SWEPI, LP 200 N Dairy Ashford Houston, TX 77079 Phone: 1 (303) 222-6347	TO: (New Operator): N2680-Whiting Oil & Gas Corporation 1700 Broadway, Suite 2300 Denver, CO 80290 Phone: 1 (303) 390-4261
--	--

CA No.

Unit:

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
CARBON CANAL 5-12	12	160S	100E	4301530709	16369	State	GW	S

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 10/21/2011
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 10/21/2011
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 10/5/2011
- 4a. Is the new operator registered in the State of Utah: Business Number: 5890476-0143
- 5a. (R649-9-2) Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: n/a
- 5c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA n/a
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 10/24/2011
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 10/24/2011
- Bond information entered in RBDMS on: 10/24/2011
- Fee/State wells attached to bond in RBDMS on: 10/24/2011
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: n/a
- Indian well(s) covered by Bond Number: n/a
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number RLB0014034
- 3b. The **FORMER** operator has requested a release of liability from their bond on: not yet

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116
2. NAME OF OPERATOR: SWEPI LP N1895		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 200 N. Dairy Ashford CITY Houston STATE TX ZIP 77079		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 649 FWL, 2127 FNL		8. WELL NAME and NUMBER: Carbon Canal 5-12
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 16S 10E S		9. API NUMBER: 4301530709
COUNTY: Emery		10. FIELD AND POOL, OR WILDCAT: Wildcat
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

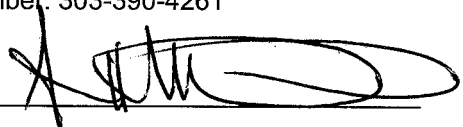
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective date of Change in Operator: May 1, 2011

Contact Information for New Operator

Name of company: Whiting Oil and Gas Corporation N2680
Contact name: Mr. Scott McDaniel
Mailing Address: 1700 Broadway, Suite 2300, Denver, CO 80290
Phone number: 303-390-4261

Signature: 

Date: 10-3-11

BOND # RL B0014034

RECEIVED

OCT 21 2011

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Richard Lewis	TITLE Attorney in Fact
SIGNATURE 	DATE 9-22-2011

(This space for State Use Only)

APPROVED 10/24/2011

Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

April 19, 2012

CERTIFIED MAIL NO.: 7011 0110 0001 3568 1960

Mr. Thomas Smith
Whiting Oil & Gas Corporation
1700 Broadway STE 2300
Denver, CO 80290-2300

43 015 30709
Carbon Canal 5-12
16S 10E 12

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Mr. Smith:

As of January 2012, Whiting Oil & Gas Corporation has three (3) State Lease Wells (see attachment A) that have been added as being in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT.



Page 2

Whiting Oil & Gas Corporation

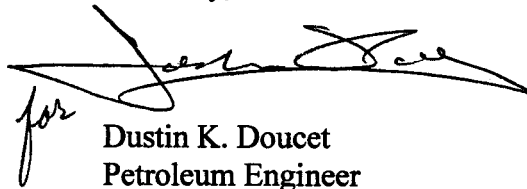
April 19, 2012

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,


for
Dustin K. Doucet
Petroleum Engineer

DKD/JP/js

Enclosure


cc: Compliance File

Well File

LaVonne Garrison, SITLA

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

ATTACHMENT A



	Well Name	API	LEASE	Years Inactive
1	CARBON CANAL 5-12	43-015-30709	ML-49116	3 Years 9 Months
2	UTE TRIBAL 32-1A	43-047-32758	ML-44317	2 Years 2 Months
3	UTE TRIBAL 10-2-15-20	43-047-35625	ML-46842	1 Year 6 Months



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

October 18, 2012

CERTIFIED MAIL NO.: 7010 1670 0001 4810 3539

Mr. Thomas Smith
Whiting Oil & Gas Corporation
1700 Broadway STE 2300
Denver, CO 80290-2300

43 015 30709
Carbon Canal 5-12
16S 10E 12

Subject: **Second Notice: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases**

Dear Mr. Smith:

As of January 2012, Whiting Oil & Gas Corporation (Whiting) has seven (7) State Lease Wells (see attachment A) that are in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. One of the wells (Attachment A) is under outstanding Notice of Violation (NOV.) The Utah Division of Oil, Gas and Mining (Division) wishes to inform Whiting that these wells were previously noticed September 20, 2011. On February 10, 2012, Whiting responded stating that four (4) of the wells (including the NOV) were under plan to plug and abandon. Nothing more was received by the Division concerning these plans. On April 19, 2012, Whiting was notified of three (3) additional wells added as being in non-compliance status. To date, the Division has not received any documentation nor seen any efforts being made to move these wells out of non-compliance status.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).



Page 2
Whiting Oil & Gas Corporation
October 18, 2012

Please note that the Divisions preferred method for showing well integrity is by MIT.

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet
Petroleum Engineer

DKD/JP/js

cc: Compliance File
Well File
LaVonne Garrison, SITLA

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

ATTACHMENT A

	Well Name	API	LEASE	Years Inactive	Plan to PA
2nd Notice					
1	CARBON CANAL 5-12	43-015-30709	ML-49116	3 Years 9 Months	
2	UTE TRIBAL 32-1A	43-047-32758	ML-44317	2 Years 2 Months	
3	UTE TRIBAL 10-2-15-20	43-047-35625	ML-46842	1 Year 6 Months	
4	FLAT ROCK 13-32-14-20	43-047-36992	ML-44317	10 Years 2 Months	X
5	FLAT ROCK 14-32-14-20	43-047-36993	ML-44317	10 Years 2 Months	X
6	FLAT ROCK 15-32-14-20	43-047-36994	ML-44317	10 Years 2 Months	X
OUTSTANDING NOV					
7	CHIMNEY ROCK 32-11	43-047-33445	ML-47437	4 Years 5 Months	X

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: WHITING OIL & GAS CORPORATION		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1700 Broadway, Suite 2300, Denver, CO, 80290 2300		8. WELL NAME and NUMBER: CARBON CANAL 5-12
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2127 FNL 0649 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 12 Township: 16.0S Range: 10.0E Meridian: S		9. API NUMBER: 43015307090000
PHONE NUMBER: 303 390-4095 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
COUNTY: EMERY		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/15/2013	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> ACIDIZE</div> <div style="width: 33%;"><input type="checkbox"/> ALTER CASING</div> <div style="width: 33%;"><input type="checkbox"/> CASING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TUBING</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL NAME</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL STATUS</div> <div style="width: 33%;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</div> <div style="width: 33%;"><input type="checkbox"/> CONVERT WELL TYPE</div> <div style="width: 33%;"><input type="checkbox"/> DEEPEN</div> <div style="width: 33%;"><input type="checkbox"/> FRACTURE TREAT</div> <div style="width: 33%;"><input type="checkbox"/> NEW CONSTRUCTION</div> <div style="width: 33%;"><input type="checkbox"/> OPERATOR CHANGE</div> <div style="width: 33%;"><input type="checkbox"/> PLUG AND ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> PLUG BACK</div> <div style="width: 33%;"><input type="checkbox"/> PRODUCTION START OR RESUME</div> <div style="width: 33%;"><input type="checkbox"/> RECLAMATION OF WELL SITE</div> <div style="width: 33%;"><input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</div> <div style="width: 33%;"><input type="checkbox"/> TEMPORARY ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> TUBING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> VENT OR FLARE</div> <div style="width: 33%;"><input type="checkbox"/> WATER DISPOSAL</div> <div style="width: 33%;"><input type="checkbox"/> WATER SHUTOFF</div> <div style="width: 33%;"><input type="checkbox"/> SI TA STATUS EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> APD EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</div> <div style="width: 33%;"><input type="checkbox"/> OTHER</div> </div>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	
<input type="checkbox"/> SPUD REPORT Date of Spud:	
<input type="checkbox"/> DRILLING REPORT Report Date:	
OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Whiting Oil and gas Corporation requests approval to 1. Isolate Manning perfs @ 9030-9351' w/CIBP and 9sx (50') cement on top of CIBP. 2. Squeeze casing leak @ 6090-6122'w/50sx cement. 3. Perforate and test the Moenkopi formation @ 5928-5936' and 5895-5905'. Work will begin upon approval. See current and proposed well bore diagrams attached.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: May 21, 2013

By: *Derek Duff*

NAME (PLEASE PRINT) Pauleen Tobin	PHONE NUMBER 303 390-4267	TITLE Engineer Tech
SIGNATURE N/A	DATE 5/15/2013	




The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43015307090000

As required by rule R649-3-24-3.2, for permanent plugback, a minimum 100' cement plug should be placed on CIBP to isolate Manning Canyon perms.

				PT - Completion Report - CR								
				Well Name: CARBON CANAL 5-12								
Vertical - Sidetrack 1, 5/15/2013 2:01:10 PM				Rod Strings								
MD (ftKB)	TV D (ftKB)	In cl (°)	Vertical schematic (actual)	Logs	Rod Description		Comment		Run Date	Pull Date		
					Item Des		OD (in)	Wt (lb/ft)	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Other String Components												
Item Des					OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)	ID (in)			
Other In Hole												
Description					OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)			
Fish 4- 12 1/4 bit, bit sub					12 1/4	9/13/2007		2,330.0	2,334.0			
Comment												
Description					OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)			
Fish 3- 5" DP					4 1/2	9/13/2007		2,575.0	2,858.0			
Comment												
Description					OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)			
Fish 2- 6-1/2 DC, jars, 6-1/2" DC, 6" DP					4 1/2	9/13/2007		2,862.0	3,352.0			
Comment												
Description					OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)			
Fish 1- Hammer, bit sub, 8" DC, xo sub, 6-1/2" DC					12 1/4	9/13/2007		3,399.0	3,626.0			
Comment												
Description					OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)			
Bridge Plug					4 1/2	4/21/2008		6,420.0	6,421.0			
Comment												
Description					OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)			
Fish - 8 DC, 3 stablizers, bit					4 1/2	10/29/2007	10/30/2007	7,531.0	7,550.0			
Comment												
Bottom Hole Cores												
Core #					Date	Top (ftKB)	Btm (ftKB)	Wellbore	Recovered (ft)	% Re...		
1					11/1/2007	8,046.0	8,351.0	Sidetrack 1	300.0	98		
Comment												
Core #					Date	Top (ftKB)	Btm (ftKB)	Wellbore	Recovered (ft)	% Re...		
2					11/10/2007	8,615.0	8,657.0	Sidetrack 1	42.0	100		
Comment												
Core #	Date		Top (ftKB)	Btm (ftKB)	Wellbore	Recovered (ft)	% Re...					
3	11/14/2007		8,805.0	8,909.2	Sidetrack 1	104.2	100					
Comment												
Core #	Date		Top (ftKB)	Btm (ftKB)	Wellbore	Recovered (ft)	% Re...					
4	11/21/2007		8,946.0	9,352.0	Sidetrack 1	395.0	97					
Comment												

-215.5

25.9

57.4

88.9

89.4

89.9

444.9

799.9

864.5

929.1

929.6

930.1

951.6

973.1

1,229.5

1,485.9

1,827.4

2,169.0

2,169.5

2,169.9

2,185.0

2,200.1

2,600.1

3,000.0

4,710.0

6,419.9

6,420.4

6,420.9

7,725.4

9,029.9

9,045.4

9,061.0

9,093.0

9,125.0

9,183.6

9,242.1

9,278.5

9,315.0

9,333.0

9,351.0

9,408.0

9,464.9

9,489.5

9,514.1

9,597.6

9,681.1

9,681.6

9,682.1

9,923.5

1-1; Casing Joints;
20; 19.124; 26.0;
63.00

1-2; Shoe; 20;
89.0; 1.00

2-1; Casing Joints;
13 3/8; 12.615;
26.0; 903.00

2-2; Shoe; 13 3/8;
929.0; 1.00

3-1; Casing Joints;
9 5/8; 8.681; 26.0;
2,143.00

3-2; Shoe; 9 5/8;
2,169.0; 1.00

4-1; Casing Joints;
5 1/2; 4.778; 26.0;
9,655.00

Perforated;
9,030.0-9,061.0;
3/26/2008

Perforated;
9,125.0-9,242.0;
4/1/2008

Perforated;
9,315.0-9,351.0;
4/2/2008

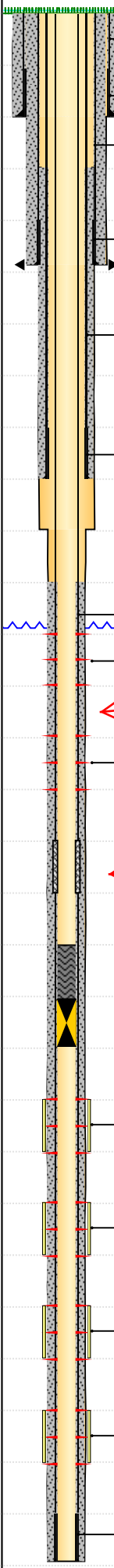
Perforated;
9,465.0-9,514.0;
4/3/2008

4-2; Shoe; 5 1/2;
9,681.0; 1.00



PT - Completion Report - CR

Well Name: CARBON CANAL 5-12

API Number 4301530709		WPC ID 1UT029800		Well Permit Number		Field Name Wildcat		County Emery		State UT		N/S Dist (ft) 2,127.0		N/S Ref FNL		E/W Dist (ft) 649.0		E/W Ref FWL			
Well Configuration Type Vertical				Orig KB Elv (ft) 5,595.00		Gr Elv (ft) 5,569.00		Total Depth (ftKB) 9,682.0		Original Spud Date 8/31/2007		Completion Date 3/28/2008		First Production Date 3/28/2008							
Asset Group Central Rockies Asset Group				Responsible Engineer Mike Stahl		Responsible Foreman Danny Widner		Responsible Drilling		Responsible Geology Larry Rasmussen		Responsible Land Scott McDaniel									
Lot		Quarter 1 SW		Quarter 2 NW		Quarter 3		Quarter 4		Section 12		Township 16		Township N/S Dir S		Range 10		Range E/W Dir E		Meridian	
Vertical - Sidetrack 1, 5/15/2013 1:38:04 PM																					
MD (ftKB)		TV D (ftKB)	In cl (°)	Vertical schematic (actual)										Logs							
25.9																					
88.9				1-1; Casing Joints; 20; 19.124; 26.0; 63.00																	
89.9				1-2; Shoe; 20; 89.0; 1.00																	
799.9				2-1; Casing Joints; 13 3/8; 12.615; 26.0; 903.00																	
929.1				2-2; Shoe; 13 3/8; 929.0; 1.00																	
930.1																					
973.1				3-1; Casing Joints; 9 5/8; 8.681; 26.0; 2,143.00																	
1,485.9																					
2,169.0				3-2; Shoe; 9 5/8; 2,169.0; 1.00																	
2,169.9																					
2,200.1																					
3,000.0				4-1; Casing Joints; 5 1/2; 4.778; 26.0; 9,655.00																	
5,895.0				Perforated; 5,895.0-5,905.0; 5/15/2013																	
5,904.9				Proposed New Moenkopi Perfs																	
5,928.1				Perforated; 5,928.0-5,936.0; 5/15/2013																	
5,936.0																					
6,089.9				Proposed Casing leak repair																	
6,122.0																					
6,370.1				Proposed Plug back																	
6,419.9																					
6,420.9																					
9,029.9				Perforated; 9,030.0-9,061.0; 3/26/2008																	
9,061.0																					
9,125.0				Perforated; 9,125.0-9,242.0; 4/1/2008																	
9,242.1																					
9,315.0				Perforated; 9,315.0-9,351.0; 4/2/2008																	
9,351.0																					
9,464.9				Perforated; 9,465.0-9,514.0; 4/3/2008																	
9,514.1																					
9,681.1				4-2; Shoe; 5 1/2; 9,681.0; 1.00																	
9,682.1																					
Rigs																					
Contractor Nabors Drilling								Rig #		Rig Type		Rig Start Date 8/31/2007		RR Date 12/11/2007		TD (ft) 9,728.00		TD Date 11/29/2007			
Wellbore Sections																					
Section Des		Wellbore Name		Size (in)		Act Top (ftKB)		Act Btm (ftKB)		Start Date		End Date									
Conductor		Original Hole		24		26.0		90.0		8/31/2007		9/1/2007									
Surface		Original Hole		17 1/2		90.0		973.0		9/2/2007		9/6/2007									
Intermediate		Original Hole		12 1/4		973.0		3,717.0		9/7/2007		9/16/2007									
Intermediate		Sidetrack 1		12 1/4		930.0		2,200.0		9/22/2007		9/26/2007									
Production		Sidetrack 1		8 1/2		2,200.0		9,682.0		10/7/2007		11/29/2007									
Casing																					
Conductor Pipe, 90.0ftKB																					
Comment												Run Date 8/31/2007		Pull Date							
OD (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des									
20		94.00		K-55		26.0		89.0		63.00		Casing Joints									
20						89.0		90.0		1.00		Shoe									
Surface Csg, 930.0ftKB																					
Comment												Run Date 9/6/2007		Pull Date							
OD (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des									
13 3/8		54.50		K-55		26.0		929.0		903.00		Casing Joints									
13 3/8						929.0		930.0		1.00		Shoe									
Intermediate Csg, 2,170.0ftKB																					
Comment												Run Date 10/6/2007		Pull Date							
OD (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des									
9 5/8		47.00		P-110		26.0		2,169.0		2,143.00		Casing Joints									
9 5/8						2,169.0		2,170.0		1.00		Shoe									
Production Csg, 9,682.0ftKB																					
Comment												Run Date 11/30/2007		Pull Date							
OD (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des									
5 1/2		20.00		P-110		26.0		9,681.0		9,655.00		Casing Joints									
5 1/2						9,681.0		9,682.0		1.00		Shoe									
Cement																					
Description								Pump Start Date		Top (ftKB)		Btm (ftKB)		Top Meas Meth		MD Tagged (...)					
Conductor Cement								8/31/2007		26.0		90.0									
Description								Pump Start Date		Top (ftKB)		Btm (ftKB)		Top Meas Meth		MD Tagged (...)					
Surface Casing Cement								9/6/2007		26.0		930.0		Returns to Surface							
Wellbore		Fluid Type		Amount (sacks)		Class		Est Top (ftKB)		Est Btm (ftKB)		Vol Pompe...									
Original Hole		Surface Cement		990		G Poz		26.0		930.0		467.0									
Description								Pump Start Date		Top (ftKB)		Btm (ftKB)		Top Meas Meth		MD Tagged (...)					
Cement Plug								9/18/2007		1,486.0		2,057.0									
Wellbore		Fluid Type		Amount (sacks)		Class		Est Top (ftKB)		Est Btm (ftKB)		Vol Pompe...									
Original Hole		Plug Back Cement		743		G		1,486.0		2,057.0		131.0									
Description								Pump Start Date		Top (ftKB)		Btm (ftKB)		Top Meas Meth		MD Tagged (...)					
Cement Plug								9/19/2007		800.0		1,486.0									
Wellbore		Fluid Type		Amount (sacks)		Class		Est Top (ftKB)		Est Btm (ftKB)		Vol Pompe...									
Original Hole		Plug Back Cement		890		G		800.0		1,486.0		157.0									
Description								Pump Start Date		Top (ftKB)		Btm (ftKB)		Top Meas Meth		MD Tagged (...)					
Intermediate Casing Cement								10/7/2007		800.0		2,170.0		Volume Calculations							
Wellbore		Fluid Type		Amount (sacks)		Class		Est Top (ftKB)		Est Btm (ftKB)		Vol Pompe...									
Sidetrack 1		Intermediate Cement		440		G Poz		800.0		2,170.0		207.0									
Description								Pump Start Date		Top (ftKB)		Btm (ftKB)		Top Meas Meth		MD Tagged (...)					
Production Casing Cement								11/30/2007		3,000.0		9,682.0		Volume Calculations							
Wellbore		Fluid Type		Amount (sacks)		Class		Est Top (ftKB)		Est Btm (ftKB)		Vol Pompe...									
Sidetrack 1		Production Cement		1,193		G Poz		3,000.0		9,682.0		561.0									
Description								Pump Start Date		Top (ftKB)		Btm (ftKB)		Top Meas Meth		MD Tagged (...)					
Cement Squeeze								5/15/2013		6,090.0		6,122.0									
Wellbore		Fluid Type		Amount (sacks)		Class		Est Top (ftKB)		Est Btm (ftKB)		Vol Pompe...									
Sidetrack 1		Casing Leak Repair		50				6,090.0		6,122.0											
Description								Pump Start Date		Top (ftKB)		Btm (ftKB)		Top Meas Meth		MD Tagged (...)					
Cement Plug								5/15/2013		6,370.0		6,420.0									
Wellbore		Fluid Type		Amount (sacks)		Class		Est Top (ftKB)		Est Btm (ftKB)		Vol Pompe...									
Sidetrack 1		Plug Back Cement		9				6,370.0		6,420.0											
Perforations																					
Type of Hole		Date		Top (ftKB)		Btm (ftKB)		Zone		Shot...		Calcu...									
Perforated		5/15/2013		5,895.0		5,905.0		Moenkopi, Sidetrack 1		3.0		31									
Type of Hole		Date		Top (ftKB)		Btm (ftKB)		Zone		Shot...		Calcu...									
Perforated		5/15/2013		5,928.0		5,936.0		Moenkopi, Sidetrack 1		3.0		25									
Type of Hole		Date		Top (ftKB)		Btm (ftKB)		Zone		Shot...		Calcu...									
Perforated		3/26/2008		9,030.0		9,061.0		Manning Canyon, Sidetrack 1		1.3		40									
Type of Hole		Date		Top (ftKB)		Btm (ftKB)		Zone		Shot...		Calcu...									
Perforated		4/1/2008		9,125.0		9,242.0		Manning Canyon, Sidetrack 1		0.3		36									
Type of Hole		Date		Top (ftKB)		Btm (ftKB)		Zone		Shot...		Calcu...									
Perforated		4/2/2008		9,315.0		9,351.0		Manning Canyon, Sidetrack 1		0.8		28									
Type of Hole		Date		Top (ftKB)		Btm (ftKB)		Zone		Shot...		Calcu...									
Perforated		4/3/2008		9,465.0		9,514.0		Manning Canyon, Sidetrack 1		0.6		32									
Stimulations & Treatments																					
Stg #		Stage T...		Start Date		Top (ftKB)		Btm (ftKB)		Stim/Treat Fluid		Vol Clean...									
1		Frac		3/28/2008		9,030.0		9,061.0		64000# 40/70 sand, HRWF, <fluidtyp>		3369.00									
Stg #		Stage T...		Start Date		Top (ftKB)		Btm (ftKB)		Stim/Treat Fluid		Vol Clean...									
2		Frac		4/1/2008		9,125.0		9,242.0		346000# 40/70 sand, HRWF, <fluidtyp>		1846.00									



PT - Completion Report - CR
Well Name: CARBON CANAL 5-12

Vertical - Sidetrack 1, 5/15/2013 1:38:04 PM

MD (ftKB)	TV D (ftKB)	In cl (°)	Vertical schematic (actual)	Logs
25.9				
88.9				
89.9				
799.9				
929.1				
930.1				
973.1				
1,485.9				
2,169.0				
2,169.9				
2,200.1				
3,000.0				
5,895.0				
5,904.9				
5,928.1				
5,936.0				
6,089.9				
6,122.0				
6,370.1				
6,419.9				
6,420.9				
9,029.9				
9,061.0				
9,125.0				
9,242.1				
9,315.0				
9,351.0				
9,464.9				
9,514.1				
9,681.1				
9,682.1				

Stimulations & Treatments									
Stg #	Stage T...	Start Date	Top (ftKB)	Btm (ftKB)	Stim/Treat Fluid				Vol Clean...
3	Frac	4/2/2008	9,315.0	9,351.0	43000# 40/70 sand, HRWF, <fluidtyp>				5720.00
Stg #	Stage T...	Start Date	Top (ftKB)	Btm (ftKB)	Stim/Treat Fluid				Vol Clean...
4	Frac	4/3/2008	9,465.0	9,514.0	102000# 40/70 sand, HRWF, <fluidtyp>				2175.00
Tubing									
Set Depth (ftKB)		Comment				Run Date		Pull Date	
Item Des			OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Rod Strings									
Rod Description			Comment			Run Date		Pull Date	
Item Des			OD (in)	Wt (lb/ft)	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Other String Components									
Item Des			OD (in)	Len (ft)		Top (ftKB)	Btm (ftKB)	ID (in)	
Other In Hole									
Description			OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)		
Fish 4- 12 1/4 bit, bit sub			12 1/4	9/13/2007		2,330.0	2,334.0		
Comment									
Description			OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)		
Fish 3- 5" DP			4 1/2	9/13/2007		2,575.0	2,858.0		
Comment									
Description			OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)		
Fish 2- 6-1/2 DC, jars, 6-1/2" DC, 6" DP			4 1/2	9/13/2007		2,862.0	3,352.0		
Comment									
Description			OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)		
Fish 1- Hammer, bit sub, 8" DC, xo sub, 6-1/2" DC			12 1/4	9/13/2007		3,399.0	3,626.0		
Comment									
Description			OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)		
Bridge Plug			4 1/2	4/21/2008		6,420.0	6,421.0		
Comment									
Description			OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)		
Fish - 8 DC, 3 stablizers, bit			4 1/2	10/29/2007	10/30/2007	7,531.0	7,550.0		
Comment									
Bottom Hole Cores									
Core #	Date	Top (ftKB)	Btm (ftKB)	Wellbore			Recovered (ft)	% Re...	
1	11/1/2007	8,046.0	8,351.0	Sidetrack 1			300.0	98	
Comment									
Core #	Date	Top (ftKB)	Btm (ftKB)	Wellbore			Recovered (ft)	% Re...	
2	11/10/2007	8,615.0	8,657.0	Sidetrack 1			42.0	100	
Comment									
Core #	Date	Top (ftKB)	Btm (ftKB)	Wellbore			Recovered (ft)	% Re...	
3	11/14/2007	8,805.0	8,909.2	Sidetrack 1			104.2	100	
Comment									
Core #	Date	Top (ftKB)	Btm (ftKB)	Wellbore			Recovered (ft)	% Re...	
4	11/21/2007	8,946.0	9,352.0	Sidetrack 1			395.0	97	
Comment									

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Gas Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: WHITING OIL & GAS CORPORATION		8. WELL NAME and NUMBER: CARBON CANAL 5-12
3. ADDRESS OF OPERATOR: 1700 Broadway, Suite 2300, Denver, CO, 80290 2300		9. API NUMBER: 43015307090000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2127 FNL 0649 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 12 Township: 16.0S Range: 10.0E Meridian: S		9. FIELD and POOL or WILDCAT: WILDCAT
		COUNTY: EMERY
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/24/2013			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Whiting isolated Manning Canyon perms @ 9030-9351' w/CIBP set at 8890' and 8880' and 9sx (50') cement on top of CIBP. Squeezed casing leak @ 6090-6122' w/?sx cement. Perforated, tested and the Moenkopi formation @ 5928-5936' and 5895-5905', 5886-5890', frac 5886-5915' perms. Opened well, pressure fell, flowed back 428 BW. Well dead. Clean out sand, drill plug @ 5922', wash to 5978', well flowed 59 BW. Wash sand to 6010', swab, turn to flowback. Well did not flow any fluid after swab. Con't to swab, no oil or gas shows. Stop project. Recovered 2538 bbls in flowback. RD Well currently shut in. See job report and wellbore diagram attached.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 January 23, 2014

NAME (PLEASE PRINT) Pauleen Tobin	PHONE NUMBER 303 390-4267	TITLE Engineer Tech
SIGNATURE N/A		DATE 1/22/2014



Whiting Oil & Gas Corp
1700 Broadway, Suite 2300
Denver, CO 80290
(303) 837-1661

Multi-Day Job Sum - Drlg Dpths-No Costs

Well Name: CARBON CANAL 5-12

*Add Perforations
 Job Started on 5/8/2013*

WPC ID	API No	Field Name	County	State	Operator	Gr Elev (ft)	Orig KB Elev (ft)
1UT029800	4301530709	Wildcat	Emery	UT	WOGC	5,569.00	5,595.00
AFE Number 12-0719		Job Category Recompletion	Job Type Add Perforations		Start Date 5/8/2013	End Date 6/24/2013	

Daily Operation Reports (6am to 6am)

Job Day (days)	Rpt #	Start Date	End Date	End Depth (ftKB)	Summary
1.0	1.0	5/8/2013	5/9/2013	0.0	MIRUSU, Dig in deadmen, Check press on well. 2900 psi. MI rig pump and tank. BOPE on well, blow down line and choke in place, will be blown down to rig tank. Rig hrs 9.5
2.0	2.0	5/9/2013	5/10/2013	0.0	Open well to rig tank, blew down in approx 30 mins. Well started kicking, within mins, WP @ 800# Pump 100 BW. Well brought all 100 bbls right back. Let well flow, got flowback tank on loc, slowed down flowing, pump another 100 bbls, well brought fluid right back. Let well rest. Will try to kill in the AM.
3.0	3.0	5/10/2013	5/11/2013	0.0	Well press 2000#, blow down to 100# in 1 1/2 hrs. Pump 100 BW. Press climbed to 1000#. Open to flow back tank to get gas bubble off well. Well blew back 193 BW. Con't to flow all day. Unload pipe fr/trailers. Fluid from well clear wtr no oil. Rig hrs 9.
4.0	4.0	5/11/2013	5/12/2013	0.0	Blow 2000# off well, con't to flow 50# on a full 2" line. Casedhole e-line trk on loc. NU lub, RIH w/gauge ring/junk basket to 9400'. POOH. RIH, set CIBP at 8890', plug set good. POOH, Load hole, ADDLER hotoiler on loc to chart press. Pump well up to 2000#, press bleeding off. Bleed air from well bore, no bttm hole press seen. Repress to 2000#, well con't to bleed. Repress 4x had same bleed off. 400# in 15 mins. Release Addler, well holding FL, not seeing any bttm hole press. Release rig crew for Sunday. Will have to run plug & pkr to chk for csg leak or CIPB leaking before new perfs are tested. Rig hrs 9.
5.0	5.0	5/12/2013	5/13/2013	0.0	SI for Sunday.
6.0	6.0	5/13/2013	5/14/2013	0.0	RIH w/5 1/2" csg scraper. POOH. LD scraper. Cased hole on loc to RIH, set 5 1/2' CIBP at 8880' 10' above 1st plug. Plug appeared to set good. POOH. RD Casedhole Solutions. RU rig pump. Press test csg to 2000#. Had press bleed off lost 200# in 10 mins. Open well back to rig tank to bleed off any air. Con't to press up on csg, Con't to have a 200# bleed off. Had surface csg open to see if press was noted, no press seen or blow from valve. Rig hrs 12. Will have to run pkr and plug combo to find leak.
7.0	7.0	5/14/2013	5/15/2013	0.0	Call for plug & pkr to find csg leak. Graco sent hand & tools for 5 1/2" csg. PU plug & pkr, found leak btwn 6090'-6122'. All pipe above & below tested to 2000#. Could this be a set of perfs not reported? Will pull out w/tools in the AM. Rig hrs 7.
8.0	8.0	5/15/2013	5/16/2013	0.0	POOH w/tools. Release Graco hand. Have Weatherford lined up to run CR & CIBP covering leak area @ 6090'-6122'. Halliburton lined up for Friday sqz work. I'll leave thurs evening for sqz work on Friday.
9.0	9.0	5/16/2013	5/17/2013	0.0	Weatherford on loc w/CIBP & CICR. RIH, set CIBP at 6123', POOH, set retainer at 6090'. RU rig pump to est inj rate before cmt crew called. Pump into hole at 1/4 bpm at 3000#. press still going up. SD. RU to csg, press test 2000#. Press held. Call for cmt, will dump bail cmt on top of retainer, then run press chart for MIT. New PBDT 6090'. Rig hrs 10.
10.0	10.0	5/17/2013	5/18/2013	0.0	Dump Bail 2sx cmt on CR. Press test and chart CP for MIT. Press to 2000#, Press held at 2000#. Secure well, Release rig crew, until ready to perf new formation.
21.0	11.0	5/28/2013	5/29/2013	0.0	W/DOGM approval, prep to move up hole, test next zone. MIRU Weatherford e-line crew. RIH hole w/CBL/CCL/Gamma tools before press test csg to 9K & before shooting next perfs. Log fr/6000 to 3500', cmt not the best, but will work for fracing. RD Weatherford & 5K BOP, NU 7"x10" 10K valve, NU BOP on 10K valve. Close 7" valve, RU test unit. Press test 5 1/2" 20# csg to 9K. Press test good. RD tester. Weatherford e-line crew will be on loc in the AM to shoot new perf hole. Rig hrs 9.
22.0	12.0	5/29/2013	5/30/2013	0.0	Weatherford on location to perf TXS formation. P/U with hole w/8' 3 1/8" perf gun loaded with 4 SPF. RIH correlate back to Schlumberger log. Perf TXS at 5928-36'. POOH R/D Weatherford. P/U HD pkr. RIH set pkr at 5865' Cannot get press test on backside. POOH, RIH w/different pkr. Press test backside and pkr to 3000 psi. Pkr held. Halliburton will be on location in the AM to break down perfs and do a 30 to 40 bbl pump in. Secure well for night.
23.0	13.0	5/30/2013	5/31/2013	0.0	Ready to break down TXS formation. Halliburton on location. R/U and press test lines to 9K. Start wtr down hole, had break @ 4143 psi, Up rate to 5 bpm had another break at 3000 psi. Heard tbg hit bails. Shut down to check back side for press increase, none noted. Service hand had taken an ISP, ISP 1647 psi. Con't pumping. Pumping 5.5 bpm press at 3452, w/20 bbls away press 3300 psi, w/40 bbls away press 3200 psi. Shut down pump in. Final ISIP 1202, 5 min 950, 10 min 914, 15 min 885 psi. FG 635. R/D Halliburton. R/U and swab on well. 1 thru 10 runs recovered 50 bbls wtr. swab down to S/N 5860'. Runs 11 thru 13 dry runs. Shut in for night. BLFLTR -10 rig hrs 10.
24.0	14.0	5/31/2013	6/1/2013	0.0	WP=0#. RIH w/swab, tag FL @ 5500'. Rec'd 1/4 BW. Made 3 more runs 1 hr apart. No fluid to recover. Secure well, release rig crew for wknd. Will con't to swab on Monday. Rig hrs 4.
27.0	15.0	6/3/2013	6/4/2013	0.0	Well press 10#. 1st run, rec'd 1/4 BW, wait 2 hrs. 2nd run, rec'd 1/4 BW, wait 2 hrs. 3rd run, rec'd 1/4 BW. Secure well. Release rig crew for day. Rig hrs 8.



Whiting Oil & Gas Corp
1700 Broadway, Suite 2300
Denver, CO 80290
(303) 837-1661

Multi-Day Job Sum - Drlg Dpths-No Costs

Well Name: CARBON CANAL 5-12

Add Perforations
Job Started on 5/8/2013

Daily Operation Reports (6am to 6am)

Job Day (days)	Rpt #	Start Date	End Date	End Depth (ftKB)	Summary
28.0	16.0	6/4/2013	6/5/2013	0.0	Well press 10#. Made 2 swab runs, rec'd 1/4 BW. Release pkr. POOH, LD 93 jts tbq stand back 91 stands. NU 7 1/16"x10K frac stack. Have two master valve flow cross and top valve. Halliburton will rig up on 7 1/16" 10K valve. Flow testers moved manifold & lines fr/Wellington Flats 15-11-18E well. 20 frac tanks full of wtr, 2 flowback tanks on loc. Rig hrs 7.
29.0	17.0	6/5/2013	6/6/2013	0.0	RU rig floor under frac valves, tighten & test frac valves to 10K, held. Move rig pump & tanks on north side of rig. Ready for frac crew.
30.0	18.0	6/6/2013	6/7/2013	0.0	Halliburton and Casedhole Solutions on location ready to frac. Pump time 7 AM
31.0	19.0	6/7/2013	6/8/2013	0.0	Hold safety mtg. Press test surface iron to 9500#. Open well w/0#. Frac TXS form (5928-5936') w/4996 bbls FR slickwater; 135,560# 30/50 white sand. Max concentration 2#/gal. AR 51.9 BPM, AP 2763#. MR 53.2 BPM, MP 3108#. ISIP 1690#, FG 0.72#/ft. RU Casedhole Solutions. Set CFP @ 5924'. Perf TXS @ 5886-90'; 5900-04'; 5911-15'. RD WL. Broke down formation @ 1991#. Frac TXS form (5886-5915') w/4777 bbls FR slickwater; 139,880# 30/50 white sand. Max concentration 2#/gal. AR 49.9 BPM, AP 2826#. MR 51.2 BPM, MP 3007#. ISIP 2514#, FG 0.86#/ft. 9773 BLLTR. RD Halliburton frac crew. Opened well at 15:00 w/1900# on 14/64" ck. At report time 5AM, well con't to flow on 14 ck 200# 68 bwph. Last 14 hrs rec' 1265 BW, BLFLTR 8508. Well should be dead by mid AM if press con't to fall. Rig crew ready to LD frac tree & PU bit to drill plug @ 5924'.
32.0	20.0	6/8/2013	6/9/2013	0.0	At report well pretty much dead. Last 24 hrs, well flowed 428 bbls, BLFLTR 8080. Well flowed for 7 hrs fr/120# down to 0#. ND frac tree. RU BOPE & power swivel. Start in hole w/3 3/4" bit, tag sand @ 5911'. CO sand to top of plug @ 5922', 2' higher then set w/WL. Drill plug, washing sand. CO to 5978' 42' below perfs. Heavy sand. Circ clean. POOH w/10 stands, EOT @ 5333'. RU flowback. Release rig crew for night. WP=60#, flowed 59 bbls up to report time 5AM. Will check well for sand before TOOH to swab on well. Rig hrs 12.
33.0	21.0	6/9/2013	6/10/2013	0.0	Open pipe rams, start down hole w/3 3/4" bit. Tag fill @ 5967'. Wash sand to 6010'. Circ well clean. POOH w/bit. RIHW/HD pkr, set @ 5817', press up backside to 1000#. RU swab, made 8 runs rec'd 72 BW. FL holding @ 1000'. Turn well over to flowback crew. Open tbq to flowback tank. Rig hrs 10. Report time 5 AM, TP=0#. Well did not flow any fluid after swabbing. BLFR 1766 BLFLTR 8008.
34.0	22.0	6/10/2013	6/11/2013	0.0	At rpt time 5am, WP=0#. Made 19 swab runs, starting FL 800', ending FL 3200'. Rec'd 161 BW. NO oil or gas. Start getting sand in swab runs, nearly had swab cup stuck last run, Sand line start pulling apart. Cut off 1000' of ine & head same. Release pkr, POOH. Will have to clean out sand. EOT 3200'. Will open well thru tbq overnight. Rig hrs 11.
35.0	23.0	6/11/2013	6/12/2013	0.0	Con't out of hole w/pkr. TIH w/bit, tag sand @ 5929'. Clean out to 6010'. Circ well for 1.5 hrs. Used 143 BW. PUH to 5877'. Made 7 runs, rec'd 59 BW. end FL 1500'. Leave well open to flow back tank. Rig hrs 10.5.
36.0	24.0	6/12/2013	6/13/2013	0.0	FL 900'. Made 27 runs, FL down to 3600- 3900' in 15 runs. Runs 16-27 FL stayed @ 3900'. Rec'd 150 BW, no oil or gas shows yet. Turn well over to flow testers for night. Rig hrs 10.
37.0	25.0	6/13/2013	6/14/2013	0.0	FL 3100', on 9th run FL 3900'. On 10 th run had a good gas kick. More gas on 12th run, FL 4000'. End of day made 27 runs, recovered 117 BW, Good gas on most runs after run 12, no oil. rig hrs 10. Turn well over to flow testers. BLFLTR 7521.
38.0	26.0	6/14/2013	6/15/2013	0.0	Made 19 runs recovered 69 BW. FL staying from 4700 to 4900' See gas nearly in every run no oil shows yet. At report time csg press 97 psi. Rig down for weekend. Flowback will monitor press.
39.0	27.0	6/15/2013	6/17/2013	0.0	Shut in over weekend. Monitor press. Report time press 115 psi, Will Con't to swab Monday morning
41.0	28.0	6/17/2013	6/18/2013	0.0	Report time CP=288#. Beg FL 3100'. Made 24 swab runs rec'd 99 BW. Fluid gas cut. Ending FL 4800-5100'. No ol shows. BLFR 2401, BLFLTR 7373, Rig hrs 10.
42.0	29.0	6/18/2013	6/19/2013	0.0	Report time, CP=150#. CP=305# while swabbing. Well start flowing on 7th run, CP dropped to 109#, flowed for about 30 mins. Rec'd 58 BW in 22 runs. No oil show yet. FL 5000-5200'. BLFLTR 7315. Rig hrs 10.
43.0	30.0	6/19/2013	6/20/2013	0.0	Report time CP=132#. Made 23 runs rec'd 45 BW, fluid gas cut. no oil. FL 5000'. BLFLTR 7270, BLFR 2504. Rig hrs 10.
44.0	31.0	6/20/2013	6/21/2013	0.0	FL 3100', CP=116#, TP=0#. Rec'd 43 BW in 24 runs. BLFR 2539, BLFLTR 7235. Have orders to stop project, LD tbq. RD. Rig hrs 10.



Whiting Oil & Gas Corp
1700 Broadway, Suite 2300
Denver, CO 80290
(303) 837-1661

Multi-Day Job Sum - Drlg Dpths-No Costs**Well Name: CARBON CANAL 5-12**

Add Perforations
Job Started on 5/8/2013

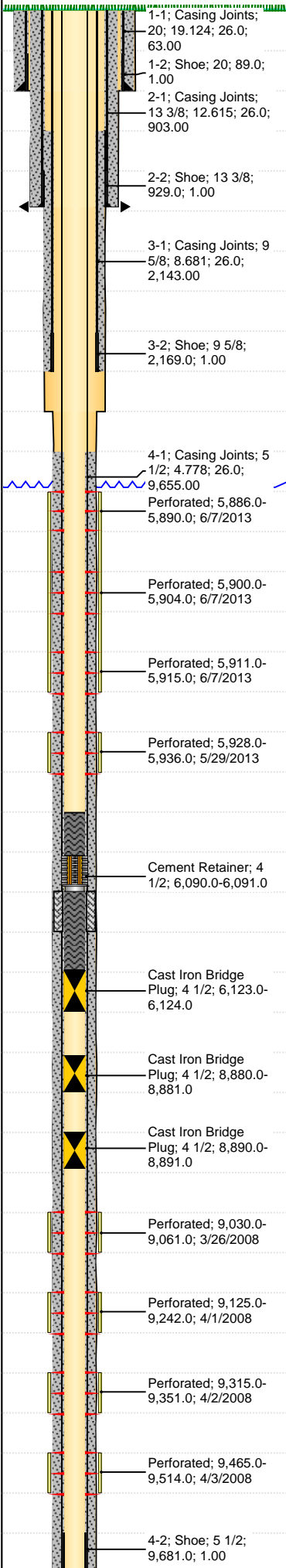
Daily Operation Reports (6am to 6am)

Job Day (days)	Rpt #	Start Date	End Date	End Depth (ftKB)	Summary
45.0	32.0	6/21/2013	6/22/2013	0.0	Finish LD tbg. Secure well. Weatherford Well head will NU blank flange on 7"x 10K valve Sat. Rig hrs 8.
47.0	33.0	6/23/2013	6/24/2013	0.0	Will talk to rstb about hauling tbg to Wellington loc.

Lease Review All CR

Well Name: CARBON CANAL 5-12

API Number 4301530709		WPC ID 1UT029800			Well Permit Number			Field Name Wildcat			County Emery			State UT	
Well Configuration Type Vertical				Orig KB Elv (ft) 5,595.00		Ground Elevation (ft) 5,569.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 9,682.0			
Original Spud Date 8/31/2007		Completion Date 3/28/2008		Asset Group Central Rockies Asset Group			Responsible Engineer Jared Huckabee			N/S Dist (ft) 2,127.0		N/S Ref FNL	E/W Dist (ft) 649.0		E/W Ref FWL
Lot		Quarter 1 SW	Quarter 2 NW	Quarter 3	Quarter 4	Section 12	Section Suffix	Section Type	Township 16 S	Township N/S Dir	Range 10 E	Range E/W Dir	Meridian		

Vertical - Sidetrack 1, 1/7/2014 11:07:28 AM			Wellbore Sections									
MD (ftKB)	TV D (ftKB)	n cl (° B)	Vertical schematic (actual)	Logs	Wellbore Name		Start Date	Size (in)	Act Top (ftKB)	Act Btm (ftKB)		
25.9					Original Hole		8/31/2007	24	26.0	90.0		
88.9					Original Hole		9/2/2007	17 1/2	90.0	973.0		
89.9					Original Hole		9/7/2007	12 1/4	973.0	3,717.0		
799.9					Sidetrack 1		9/22/2007	12 1/4	930.0	2,200.0		
					Sidetrack 1		10/7/2007	8 1/2	2,200.0	9,682.0		
929.1					Conductor Pipe, 90.0ftKB							
930.1					OD (in)		Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
973.1					20		94.00	K-55	26.0	89.0	63.00	Casing Joints
1,485.9					20				89.0	90.0	1.00	Shoe
2,169.0					Surface Csg, 930.0ftKB							
2,169.9				OD (in)		Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des	
2,200.1				13 3/8		54.50	K-55	26.0	929.0	903.00	Casing Joints	
3,000.0				13 3/8				929.0	930.0	1.00	Shoe	
5,886.2				Intermediate Csg, 2,170.0ftKB								
5,890.1				OD (in)		Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des	
5,899.9				9 5/8		47.00	P-110	26.0	2,169.0	2,143.00	Casing Joints	
5,903.9				9 5/8				2,169.0	2,170.0	1.00	Shoe	
5,911.1				Production Csg, 9,682.0ftKB								
5,915.0				OD (in)		Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des	
5,928.1				5 1/2		20.00	P-110	26.0	9,681.0	9,655.00	Casing Joints	
5,936.0				5 1/2				9,681.0	9,682.0	1.00	Shoe	
6,040.0				Cement Stages								
6,089.9				Des		Pump Start Date	Drill Out Date	Top (ftKB)	Btm (ftKB)	Top Meas Meth		
6,090.9				Conductor Cement		8/31/2007		26.0	90.0			
6,122.0				Surface Casing Cement		9/6/2007		26.0	930.0	Returns to Surface		
6,123.0				Cement Plug		9/18/2007		1,486.0	2,057.0			
6,124.0				Cement Plug		9/19/2007	9/22/2007	800.0	1,486.0			
8,879.9				Intermediate Casing Cement		10/7/2007		800.0	2,170.0	Volume Calculations		
8,880.9				Production Casing Cement		11/30/2007		3,000.0	9,682.0	Volume Calculations		
8,890.1				Cement Squeeze		5/16/2013		6,091.0	6,122.0			
8,891.1				Cement Plug		5/16/2013		6,091.0	6,123.0			
9,029.9				Cement Plug		5/17/2013		6,040.0	6,090.0			
9,061.0				Perforations								
9,125.0				Type of Hole		Date	Top (ftKB)	Btm (ftKB)	Zone			
9,242.1				Perforated		6/7/2013	5,886.0	5,890.0	Moenkopi, Sidetrack 1			
9,315.0				Perforated		6/7/2013	5,900.0	5,904.0	Moenkopi, Sidetrack 1			
9,351.0				Perforated		6/7/2013	5,911.0	5,915.0	Moenkopi, Sidetrack 1			
9,464.9				Perforated		5/29/2013	5,928.0	5,936.0	Moenkopi, Sidetrack 1			
9,514.1				Perforated		3/26/2008	9,030.0	9,061.0	Manning Canyon, Sidetrack 1			
9,681.1				Perforated		4/1/2008	9,125.0	9,242.0	Manning Canyon, Sidetrack 1			
9,682.1				Perforated		4/2/2008	9,315.0	9,351.0	Manning Canyon, Sidetrack 1			
				Perforated		4/3/2008	9,465.0	9,514.0	Manning Canyon, Sidetrack 1			
				Stim/Treat Stages								
				Stage Type		Start Date	Top (ftKB)	Btm (ftKB)	Stim/Treat Fluid	Vol Clean Pump (bbl)		
				Frac		3/28/2008	9,030.0	9,061.0	64000# 40/70 sand, HRWF, <fluidtyp>	3369.00		
				Frac		4/1/2008	9,125.0	9,242.0	346000# 40/70 sand, HRWF, <fluidtyp>	1846.00		
				Frac		4/2/2008	9,315.0	9,351.0	43000# 40/70 sand, HRWF, <fluidtyp>	5720.00		
				Frac		4/3/2008	9,465.0	9,514.0	102000# 40/70 sand, HRWF, <fluidtyp>	2175.00		
				Frac		6/7/2013	5,928.0	5,936.0	135560# 30/50 white sand, Slick Water	4996.00		
				Frac		6/7/2013	5,886.0	5,915.0	139880# white sand, Slick Water	4777.00		
				<des> set at <depthbtm>ftKB on <dttrun>								
				Set Depth (ftKB)		Comment	Run Date		Pull Date			
				Item Des		OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)		
				Rod Strings								
				<des> on <dttrun>								
				Rod Description				Run Date	Pull Date			
				Item Des		OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)			
				Other Strings								
				Set Depth (ftKB)		Comment	Run Date		Pull Date			
				Item Des		OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)			

<div><div><div></div><div>WHITING</div></div><div><div>Lease Review All CR</div><div>Well Name: CARBON CANAL 5-12</div></div></div>																		
API Number 4301530709			WPC ID 1UT029800			Well Permit Number			Field Name Wildcat			County Emery		State UT				
Well Configuration Type Vertical			Orig KB Elv (ft) 5,595.00			Ground Elevation (ft) 5,569.00			Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 9,682.0					
Original Spud Date 8/31/2007		Completion Date 3/28/2008		Asset Group Central Rockies Asset Group			Responsible Engineer Jared Huckabee			N/S Dist (ft) 2,127.0		N/S Ref FNL		E/W Dist (ft) 649.0		E/W Ref FWL		
Lot		Quarter 1 SW	Quarter 2 NW	Quarter 3	Quarter 4	Section 12	Section Suffix	Section Type		Township 16	Township N/S Dir S	Range 10	Range E/W Dir E		Meridian			
Vertical - Sidetrack 1, 1/7/2014 11:07:29 AM						Other In Hole												
MD (ftKB)	TV D (ftKB)	n cl (° B)	Vertical schematic (actual)			Logs			Des	OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)				
									Fish 4- 12 1/4 bit, bit sub	12 1/4	9/13/2007		2,330.0	2,334.0				
									Fish 3- 5" DP	4 1/2	9/13/2007		2,575.0	2,858.0				
									Fish 2- 6-1/2 DC, jars, 6-1/2" DC, 6" DP	4 1/2	9/13/2007		2,862.0	3,352.0				
25.9									Fish 1- Hammer, bit sub, 8" DC, xo sub, 6-1/2" DC	12 1/4	9/13/2007		3,399.0	3,626.0				
88.9									CFP	4 1/2	6/7/2013	6/8/2013	5,924.0	5,925.0				
89.9									Cement Retainer	4 1/2	5/16/2013		6,090.0	6,091.0				
799.9									Cast Iron Bridge Plug	4 1/2	5/16/2013		6,123.0	6,124.0				
									Bridge Plug	4 1/2	4/21/2008	5/11/2013	6,420.0	6,421.0				
929.1									Fish - 8 DC, 3 stablizers, bit	4 1/2	10/29/2007	10/30/2007	7,531.0	7,550.0				
930.1									Cast Iron Bridge Plug	4 1/2	5/13/2013		8,880.0	8,881.0				
973.1									Cast Iron Bridge Plug	4 1/2	5/11/2013		8,890.0	8,891.0				
									Bottom Hole Cores									
									Date	Core #	Top (ftKB)	Btm (ftKB)	Recov (ft)					
1,485.9									11/1/2007		8,046.0	8,351.0	300.0					
2,169.0									11/10/2007		8,615.0	8,657.0	42.0					
2,169.9									11/14/2007		8,805.0	8,909.2	104.2					
2,200.1									11/21/2007		8,946.0	9,352.0	395.0					
3,000.0																		
5,886.2									4-1; Casing Joints; 5 1/2; 4.778; 26.0; 9,655.00									
5,890.1									Perforated; 5,886.0-5,890.0; 6/7/2013									
5,899.9									Perforated; 5,900.0-5,904.0; 6/7/2013									
5,903.9									Perforated; 5,911.0-5,915.0; 6/7/2013									
5,911.1									Perforated; 5,928.0-5,936.0; 5/29/2013									
5,928.1									Cement Retainer; 4 1/2; 6,090.0-6,091.0									
5,936.0									Cast Iron Bridge Plug; 4 1/2; 6,123.0-6,124.0									
6,040.0									Cast Iron Bridge Plug; 4 1/2; 8,880.0-8,881.0									
6,089.9									Cast Iron Bridge Plug; 4 1/2; 8,890.0-8,891.0									
6,090.9									Perforated; 9,030.0-9,061.0; 3/26/2008									
6,122.0									Perforated; 9,125.0-9,242.0; 4/1/2008									
6,123.0									Perforated; 9,315.0-9,351.0; 4/2/2008									
6,124.0									Perforated; 9,465.0-9,514.0; 4/3/2008									
8,879.9									4-2; Shoe; 5 1/2; 9,681.0; 1.00									
8,880.9																		
8,890.1																		
8,891.1																		
9,029.9																		
9,061.0																		
9,125.0																		
9,242.1																		
9,315.0																		
9,351.0																		
9,464.9																		
9,514.1																		
9,681.1																		
9,682.1																		



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 5, 2014

Certified Mail No. 7003 2260 0003 2358 7158

Mr. John D'Hooge
Whiting Oil & Gas Corporation
1700 Broadway Suite 2300
Denver, CO 80290

43 015 30709
Carbon Canal 5-12
16S 10E 12

Subject: Extended Shut-in and Temporary Abandon Well Requirements for Fee or State Leases

Dear Mr. John D'Hooge:

As of April 2014, Whiting Oil & Gas Corporation (Whiting) has ten (10) State Lease Wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Seven (7) of these wells have previously received notices with nothing being done or shown by Whiting to bring into compliance status.

The Division was preparing to issue Notices of Violation for all wells listed above. However, during the meeting with the Division on June 3, 2014, Whiting verbally noted its plans concerning these wells. Whiting stated that five (5) of the wells will be plugged, one (1) being evaluated for water disposal, one (1) being evaluated for up hole potential, and the remaining three (3) to be returned to production.

Whiting needs to submit individual sundry's for each well, detailing plans and near future timeframe for work to be accomplished. Additionally, the wells that are candidates for plugging need to have a plugging procedure and a scheduled date for PA submitted for approval. All other wells will need to meet the requirements per the rules below.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and



Page 2

Pacific Energy & Mining Company

June 4, 2014

3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

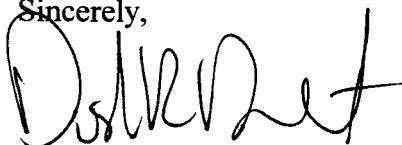
Please note that the Divisions preferred method for showing well integrity is by MIT.

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received by July 1, 2014, Notices of Violation will be issued and further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet
Petroleum Engineer

DKD/JP/js

cc: Compliance File
Well File
LaVonne Garrison, SITLA

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

ATTACHMENT A

	Well Name	API	LEASE	Years Inactive	Prior Notices
1	CHIMNEY ROCK 32-11	43-047-33445	ML-47437	6 years 8 months	NOV
2	FLAT ROCK 13-32-14-20	43-047-36992	ML-44317	12 years 6 months	2 ND NOTICE
3	FLAT ROCK 14-32-14-20	43-047-36993	ML-44317	12 years 5 months	2 ND NOTICE
4	FLAT ROCK 15-32-14-20	43-047-36994	ML-44317	12 years 5 months	2 ND NOTICE
5	STATE 16H-32-15-12	43-007-31482	ML-49797	4 years 5 months	1 ST NOTICE
→ 6	CARBON CANAL 5-12	43-015-30709	ML-49116	6 years	2 ND NOTICE
7	UTE TRIBAL 32-1A	43-047-32758	ML-44317	4 years 2 months	2 ND NOTICE
8	UTE TRIBAL 32-3A	43-047-33334	ML-44317	3 years 1 month	
9	UTE TRIBAL 32-4A	43-047-33335	ML-44317	3 years	
10	TULLY 16-9-36D	43-015-50003	ML-52222	1 year 1 month	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____						5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116																																																																																			
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER Add Perfs						6. IF INDIAN, ALLOTTEE OR TRIBE NAME																																																																																			
2. NAME OF OPERATOR: Whiting Oil and Gas Corporation						7. UNIT or CA AGREEMENT NAME																																																																																			
3. ADDRESS OF OPERATOR: 1700 Broadway Ste 2300 CITY Denver STATE CO ZIP 80290						8. WELL NAME and NUMBER: Carbon Canal 5-12																																																																																			
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2127 FNL 649 FWL AT TOP PRODUCING INTERVAL REPORTED BELOW: AT TOTAL DEPTH:						9. API NUMBER: 4301530709																																																																																			
10 FIELD AND POOL, OR WILDCAT Wildcat						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 12 16S 10E S																																																																																			
12. COUNTY Emery						13. STATE UTAH																																																																																			
14. DATE SPUDDED: 8/31/2007		15. DATE T.D. REACHED: 11/29/2007		16. DATE COMPLETED: 6/20/2013		ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>		17. ELEVATIONS (DF, RKB, RT, GL): 5569.3 GL																																																																																	
18. TOTAL DEPTH: MD 9,731 TVD 9,725		19. PLUG BACK T.D.: MD 6,090 TVD		20. IF MULTIPLE COMPLETIONS, HOW MANY? * No		21. DEPTH BRIDGE MD 6,090 PLUG SET: TVD																																																																																			
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) GR, RES, DEN, NEU, CMH, Cased hole logs of GR, RST, HNGS, HGNS, MSIP, CBL						23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)																																																																																			
24. CASING AND LINER RECORD (Report all strings set in well)																																																																																									
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29. ENCLOSED ATTACHMENTS: <input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> DST REPORT <input type="checkbox"/> DIRECTIONAL SURVEY <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION <input type="checkbox"/> CORE ANALYSIS <input type="checkbox"/> OTHER: _____								30. WELL STATUS: Shut In																																																																																	

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 6/7/2013		TEST DATE: 6/18/2013		HOURS TESTED: 30		TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 0	WATER – BBL: 58	PROD. METHOD: Swab
CHOKE SIZE: 14/64	TBG. PRESS.	CSG. PRESS. 200	API GRAVITY 0.00	BTU – GAS 0	GAS/OIL RATIO 0	24 HR PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 0	WATER – BBL: 58	INTERVAL STATUS: SI

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Moenkopi	4,967

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Pauleen TobinTITLE Engineer TechSIGNATURE DATE 6/19/2014

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Gas Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: WHITING OIL & GAS CORPORATION		8. WELL NAME and NUMBER: CARBON CANAL 5-12
3. ADDRESS OF OPERATOR: 1700 Broadway, Suite 2300, Denver, CO, 80290 2300		9. API NUMBER: 43015307090000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2127 FNL 0649 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 12 Township: 16.0S Range: 10.0E Meridian: S		9. FIELD and POOL or WILDCAT: WILDCAT
		COUNTY: EMERY
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/1/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Whiting intends to P&A the referenced well as follows: 1. Pull production equipment. 2. Set a CICR @ 5825'. 3. Squeeze 40 sx cement below CICR @ 5825' and leave 10 sx cement above CICR. 4. Pressure test casing to 1000#. 5. Balance a 70 sk cement plug with EOT @ 4150'. 6. Shoot squeeze holes @ 2250'. 7. Set a CICR @ 2150'. 8. Squeeze 65 sx cement below CICR @ 2150' and leave 10 sx cement above CICR. 9. Shoot squeeze holes @ 150'. 10. Circulate cement (~50 sx) inside and outside 5-1/2" casing from 150' to surface. 11. Cut off wellhead & install identification marker. 12. Reclaim surface location. Notes: Plugging will be executed per regulations.

Mud spacers of 9 ppg or greater will be placed between cement plugs.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: October 20, 2015

By: *Derek Dunt*

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT) Cara Mezydlo	PHONE NUMBER 303 876-7091	TITLE Engineering Technician
SIGNATURE N/A		DATE 9/2/2015



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43015307090000

1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338. 2. Add Plug #1: Per plug back approval dated 5/21/2013, 100' cement was to be placed on CIBP @ 8880' – According to records, no cement was placed on CIBP. To remedy this and to properly plug in accordance with R649-3-24-3.2, the operator shall DO CICR @ 6090', cement, and CIBP @ 6123' and spot 100' minimum (11sx) cement plug from 8880' to 8780'. 3. Amend Plug #5. Also set cement plug from 150' – surface in 8-5/8" x 13-3/8" annulus. 4. All balanced plugs shall be tagged to ensure that they are at the depth specified. 5. All annuli shall be cemented from a minimum depth of 100' to the surface. 6. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration. 7. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply. 8. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (office) or 801-733-0983 (home) prior to continuing with the procedure. 9. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

9/29/2015

Wellbore Diagram

r263

API Well No: 43-015-30709-00-00

Permit No:

Well Name/No: CARBON CANAL 5-12

Company Name: WHITING OIL & GAS CORPORATION

Location: Sec: 12 T: 16S R: 10E Spot: SWNW

Coordinates: X: 520963 Y: 4366663

Field Name: WILDCAT

County Name: EMERY

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Capacity (ft/cf)
HOL1	930	17.5			
SURF	930	13.375	54.4	930	
HOL2	2170	12.25			
HOL3	2170	9.625	47	2170	
PROD	9682	8.5			
PROD	9682	5.5	20	9682	

Cement from 930 ft. to surface
 Surface: 13.375 in. @ 930 ft.
 Hole: 17.5 in. @ 930 ft.

Cement from 2170 ft. to 800 ft.
 Intermediate: 9.625 in. @ 2170 ft.
 Hole: 12.25 in. @ 2170 ft.

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
II	2170	800	G	440
PROD	9682	3000	G	1193
SURF	930	0	G	990

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
9030	9351			
9465	9514			
5886	5936			

Formation Information

Formation	Depth
FRSD	473
CRTS	2430
ENRD	2655
NAVA	3701
CHIN	4605
SNBDL	5470
CCSD	6310
MNCYN	8573
HMBG	9548

* Add Plug # 1

Per plug back approval dated 5/21/2013
 100' cement was to be placed on CIBP @ 8880' - no cement was placed on CIBP.
 DO CIBP @ 6090' cmt ? CIBP @ 6123'
 spot 100' plug fr. 8880' to 8780'.

$$100 / (1.15) (8.031) = 11.5x$$

TD: 9731 TVD: 9731 PBD: 6090

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: CARBON CANAL 5-12	
2. NAME OF OPERATOR: WHITING OIL & GAS CORPORATION	9. API NUMBER: 43015307090000	
3. ADDRESS OF OPERATOR: 1700 Broadway, Suite 2300, Denver, CO, 80290 2300	PHONE NUMBER: 303 390-4095 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2127 FNL 0649 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 12 Township: 16.0S Range: 10.0E Meridian: S	COUNTY: EMERY	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/24/2013			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

For record purposes only. Perforation depths noted (on the subsequent report sundry submitted 1/22/14) as 5895-5905' are incorrect. The correct depths for this interval are 5900-5904' & 5911-5915'. All other perforations listed on the sundry are correct as originally submitted.

Current wellbore diagram attached.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 October 28, 2015

NAME (PLEASE PRINT) Cara Mezydlo	PHONE NUMBER 303 876-7091	TITLE Engineering Technician
SIGNATURE N/A		DATE 10/26/2015

<div><div><div></div><div>WHITING</div></div><div>Lease Review All - CR</div><div>Well Name: CARBON CANAL 5-12</div></div>															
API Number 4301530709			WPC ID 1UT029800			Well Permit Number			Field Name Wildcat			County Emery		State UT	
Well Configuration Type Vertical				Orig KB Elv (ft) 5,595.00			Ground Elevation (ft) 5,569.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 9,682.0		
Original Spud Date 8/31/2007		Completion Date 3/28/2008		Asset Group Central Rockies			Responsible Engineer Jared Huckabee			N/S Dist (ft) 2,127.0		N/S Ref FNL		E/W Dist (ft) 649.0	E/W Ref FWL
Lot	Quarter 1 SW	Quarter 2 NW	Quarter 3	Quarter 4	Section 12	Section Suffix	Section Type	Township 16	Township N/S Dir S	Range 10	Range E/W Dir E		Meridian		
Vertical - Sidetrack 1, 10/26/2015 2:35:52 PM															
MD (ftKB)	Vertical schematic (actual)														
<div><div><div>25.9</div><div>88.9</div><div>89.9</div><div>473.1</div><div>799.9</div><div>929.1</div><div>930.1</div><div>973.1</div><div>1,485.9</div><div>2,169.0</div><div>2,169.9</div><div>2,200.1</div><div>2,430.1</div><div>2,654.9</div><div>3,450.1</div><div>3,701.1</div><div>4,805.0</div><div>4,966.9</div><div>5,470.1</div><div>5,886.2</div><div>5,890.1</div><div>5,899.9</div><div>5,903.9</div><div>5,911.1</div><div>5,915.0</div><div>5,928.1</div><div>5,936.0</div><div>6,071.9</div><div>6,089.9</div><div>6,090.9</div><div>6,110.9</div><div>6,123.0</div><div>6,124.0</div><div>6,310.0</div><div>8,573.2</div><div>8,879.9</div><div>8,880.9</div><div>8,890.1</div><div>8,891.1</div><div>9,029.9</div><div>9,061.0</div><div>9,125.0</div><div>9,242.1</div><div>9,315.0</div><div>9,351.0</div><div>9,410.1</div><div>9,425.9</div><div>9,464.9</div><div>9,514.1</div><div>9,547.9</div><div>9,681.1</div><div>9,682.1</div></div><div><div>1-1; Casing Joints; 20; 19.12; 26.0; 63.00</div><div>1-2; Shoe; 20; 89.0; 1.00</div><div>2-1; Casing Joints; 13 3/8; 12.62; 26.0; 903.00</div><div>2-2; Shoe; 13 3/8; 929.0; 1.00</div><div>3-1; Casing Joints; 9 5/8; 8.68; 26.0; 2,143.00</div><div>3-2; Shoe; 9 5/8; 2,169.0; 1.00</div><div>4-1; Casing Joints; 5 1/2; 4.78; 26.0; 9,655.00</div><div>Perforated; 5,886.0-5,890.0; 6/7/2013</div><div>Perforated; 5,900.0-5,904.0; 6/7/2013</div><div>Perforated; 5,911.0-5,915.0; 6/7/2013</div><div>Perforated; 5,928.0-5,936.0; 5/29/2013</div><div>Cement Retainer; 4 1/2; 6,090.0-6,091.0</div><div>Cast Iron Bridge Plug; 4 1/2; 6,123.0-6,124.0</div><div>Cast Iron Bridge Plug; 4 1/2; 8,880.0-8,881.0</div><div>Cast Iron Bridge Plug; 4 1/2; 8,890.0-8,891.0</div><div>Perforated; 9,030.0-9,061.0; 4/4/2008</div><div>Perforated; 9,125.0-9,242.0; 4/3/2008</div><div>Perforated; 9,315.0-9,351.0; 4/1/2008</div><div>Cast Iron Bridge Plug w/ 10 sx cmt on top; 4 1/2; 9,410.0 -9,426.0</div><div>Perforated; 9,465.0-9,514.0; 3/28/2008</div><div>4-2; Shoe; 5 1/2; 9,681.0; 1.00</div></div></div>															
Wellbore Sections															
Section Des		Wellbore Name		Start Date		Size (in)		Act Top (ftKB)		Act Btm (ftKB)					
Conductor		Original Hole		8/31/2007		24		26.0		90.0					
Surface		Original Hole		9/2/2007		17 1/2		90.0		973.0					
Intermediate		Original Hole		9/7/2007		12 1/4		973.0		3,717.0					
Intermediate		Sidetrack 1		9/22/2007		12 1/4		930.0		2,200.0					
Production		Sidetrack 1		10/7/2007		8 1/2		2,200.0		9,682.0					
Conductor Pipe, 90.0ftKB															
OD (in)		ID (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des	
20		19.12		94.00		K-55		26.0		89.0		63.00		Casing Joints	
20								89.0		90.0		1.00		Shoe	
Surface Csg, 930.0ftKB															
OD (in)		ID (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des	
13 3/8		12.62		54.50		K-55		26.0		929.0		903.00		Casing Joints	
13 3/8								929.0		930.0		1.00		Shoe	
Intermediate Csg, 2,170.0ftKB															
OD (in)		ID (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des	
9 5/8		8.68		47.00		P-110		26.0		2,169.0		2,143.00		Casing Joints	
9 5/8								2,169.0		2,170.0		1.00		Shoe	
Production Csg, 9,682.0ftKB															
OD (in)		ID (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des	
5 1/2		4.78		20.00		P-110		26.0		9,681.0		9,655.00		Casing Joints	
5 1/2								9,681.0		9,682.0		1.00		Shoe	
Cement Stages															
Des		Pump Start Date		Drill Out Date		Top (ftKB)		Btm (ftKB)		Top Meas Meth					
Conductor Cement		8/31/2007				26.0		90.0		Returns to Surface					
Surface Casing Cement		9/6/2007				26.0		930.0		Returns to Surface					
Cement Plug		9/18/2007				1,486.0		2,057.0							
Cement Plug		9/19/2007		9/22/2007		800.0		1,486.0							
Intermediate Casing Cement		10/7/2007				800.0		2,170.0		Volume Calculations					
Production Casing Cement		11/30/2007				3,450.0		9,682.0		Cement Bond Log					
Cement Plug		5/17/2013				6,072.0		6,090.0		Volume Calculations					
Perforations															
Type of Hole		Date		Top (ftKB)		Btm (ftKB)		Linked Zone							
Perforated		6/7/2013		5,886.0		5,890.0		Moenkopi, Sidetrack 1							
Perforated		6/7/2013		5,900.0		5,904.0		Moenkopi, Sidetrack 1							
Perforated		6/7/2013		5,911.0		5,915.0		Moenkopi, Sidetrack 1							
Perforated		5/29/2013		5,928.0		5,936.0		Moenkopi, Sidetrack 1							
Perforated		4/4/2008		9,030.0		9,061.0		Manning Canyon, Sidetrack 1							
Perforated		4/3/2008		9,125.0		9,242.0		Manning Canyon, Sidetrack 1							
Perforated		4/1/2008		9,315.0		9,351.0		Manning Canyon, Sidetrack 1							
Perforated		3/28/2008		9,465.0		9,514.0		Manning Canyon, Sidetrack 1							
Stimulation Intervals															
Stage Completion Type		Stage Start Time		Stage #	Top (ftKB)		Btm (ftKB)		Vol Clean Total (bbbl)		Stg Prop Total (lb)				
Sand Frac		3/31/2008		1	9,465.0		9,514.0		2,175.00		102,000				
Sand Frac		4/1/2008		2	9,315.0		9,351.0		5,720.00		43,000				
Sand Frac		4/3/2008		3	9,125.0		9,242.0		1,846.00		346,000				
Sand Frac		4/4/2008		4	9,030.0		9,061.0		3,369.00		64,000				
Sand Frac		6/7/2013		1	5,928.0		5,936.0		4,996.00		135,560				
Sand Frac		6/7/2013		2	5,886.0		5,915.0		4,777.00		139,880				
Tubing Strings															
<des> set at <depthbtm>ftKB on <dtmrun>															
Set Depth (ftKB)				Comment						Run Date			Pull Date		
Item Des				OD (in)		ID (in)	Wt (lb/ft)	Grade	Jts	Len (ft)		Top (ftKB)		Btm (ftKB)	
Rod Strings															
<des> on <dtmrun>															
Rod Description							Run Date			Pull Date					
Item Des				OD (in)		Grade	Jts	Len (ft)		Top (ftKB)		Btm (ftKB)			
Other Strings															
Set Depth (ftKB)				Comment						Run Date			Pull Date		
Item Des				OD (in)		ID (in)	Len (ft)		Top (ftKB)		Btm (ftKB)				
Other In Hole															
Wellbore		Des			OD (in)		ID (in)	Run Date		Top (ftKB)		Btm (ftKB)			
Original Hole		Fish 4- 12 1/4 bit, bit sub			12 1/4			9/13/2007		2,330.0		2,334.0			
Original Hole		Fish 3- 5" DP			4 1/2			9/13/2007		2,575.0		2,858.0			
Original Hole		Fish 2- 6-1/2 DC, jars, 6-1/2" DC, 6" DP			4 1/2			9/13/2007		2,862.0		3,352.0			



Lease Review All - CR
Well Name: CARBON CANAL 5-12

API Number 4301530709	WPC ID 1UT029800	Well Permit Number	Field Name Wildcat	County Emery	State UT
Well Configuration Type Vertical	Orig KB Elv (ft) 5,595.00	Ground Elevation (ft) 5,569.00	Casing Flange Elevation (ft)	Tubing Head Elevation (ft)	Total Depth (ftKB) 9,682.0
Original Spud Date 8/31/2007	Completion Date 3/28/2008	Asset Group Central Rockies	Responsible Engineer Jared Huckabee	N/S Dist (ft) 2,127.0	N/S Ref FNL
				E/W Dist (ft) 649.0	E/W Ref FWL
Lot	Quarter 1 SW	Quarter 2 NW	Quarter 3	Quarter 4	Section 12
			Section Suffix	Section Type	Township 16
				Township N/S Dir S	Range 10
				Range E/W Dir E	Meridian

Vertical - Sidetrack 1, 10/26/2015 2:35:52 PM		Other In Hole							
MD (ftKB)	Vertical schematic (actual)		Wellbore	Des	OD (in)	ID (in)	Run Date	Top (ftKB)	Btm (ftKB)
25.9			Original Hole	Fish 1- Hammer, bit sub, 8" DC, xo sub, 6-1/2" DC	12 1/4		9/13/2007	3,399.0	3,626.0
88.9			Sidetrack 1	Cement Retainer	4 1/2		5/16/2013	6,090.0	6,091.0
89.9			Sidetrack 1	Cast Iron Bridge Plug	4 1/2		5/16/2013	6,123.0	6,124.0
473.1			Sidetrack 1	Cast Iron Bridge Plug	4 1/2		5/13/2013	8,880.0	8,881.0
799.9			Sidetrack 1	Cast Iron Bridge Plug	4 1/2		5/11/2013	8,890.0	8,891.0
929.1			Sidetrack 1	Cast Iron Bridge Plug w/ 10 sx cmt on top	4 1/2		4/6/2008	9,410.0	9,426.0
930.1			Bottom Hole Cores						
973.1			Date	Core #	Top (ftKB)	Btm (ftKB)	Recov (ft)		
1,485.9			11/1/2007	1	8,046.0	8,351.0	300.0		
2,169.0			11/10/2007	2	8,615.0	8,657.0	42.0		
2,169.9			11/14/2007	3	8,805.0	8,909.2	104.2		
2,200.1			11/21/2007	4	8,946.0	9,352.0	395.0		
2,430.1			Comments						
2,654.9			Start Date	Type	Com				
3,450.1			5/14/2013	Well Comments	Casing leak identified from 6090-6122'				
3,701.1									
4,805.0									
4,966.9									
5,470.1									
5,886.2									
5,890.1									
5,899.9									
5,903.9									
5,911.1									
5,915.0									
5,928.1									
5,936.0									
6,071.9									
6,089.9									
6,090.9									
6,110.9									
6,123.0									
6,124.0									
6,310.0									
8,573.2									
8,879.9									
8,880.9									
8,890.1									
8,891.1									
9,029.9									
9,061.0									
9,125.0									
9,242.1									
9,315.0									
9,351.0									
9,410.1									
9,425.9									
9,464.9									
9,514.1									
9,547.9									
9,681.1									
9,682.1									

NOTICE OF VIOLATION
STATE OF UTAH
OIL AND GAS CONSERVATION ACT

Date of Service Mailing: May 26, 2016
 Certified Mail No.: 7015 0640 0003 5276 0099

4/2016

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Gas Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: WHITING OIL & GAS CORPORATION		8. WELL NAME and NUMBER: CARBON CANAL 5-12
3. ADDRESS OF OPERATOR: 1700 Broadway, Suite 2300, Denver, CO, 80290 2300	PHONE NUMBER: 303 390-4095 Ext	9. API NUMBER: 43015307090000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2127 FNL 0649 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 12 Township: 16.0S Range: 10.0E Meridian: S		9. FIELD and POOL or WILDCAT: WILDCAT
		COUNTY: EMERY
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/5/2016	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			
			OTHER: Amended P&A procedure

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This procedure will replace the procedure previously approved on October 20, 2015.

**Approved by the
 Utah Division of
 Oil, Gas and Mining**

Date: July 05, 2016

By: 

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT) Cara Mezydlo	PHONE NUMBER 303 876-7091	TITLE Engineering Technician
SIGNATURE N/A		DATE 6/22/2016



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43015307090000

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. All balanced plugs shall be tagged to ensure they are at the depths specified in the procedure.**
- 3. All annuli shall be cemented from a minimum depth of 100' to the surface.**
- 4. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration.**
- 5. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 6. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.**
- 7. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.**
- 8. NOTE: THIS AMENDS APPROVAL GRANTED OCTOBER 20, 2015.**

7/5/2016

Wellbore Diagram

r263

API Well No: 43-015-30709-00-00

Permit No:

Well Name/No: CARBON CANAL 5-12

Company Name: WHITING OIL & GAS CORPORATION

Location: Sec: 12 T: 16S R: 10E Spot: SWNW

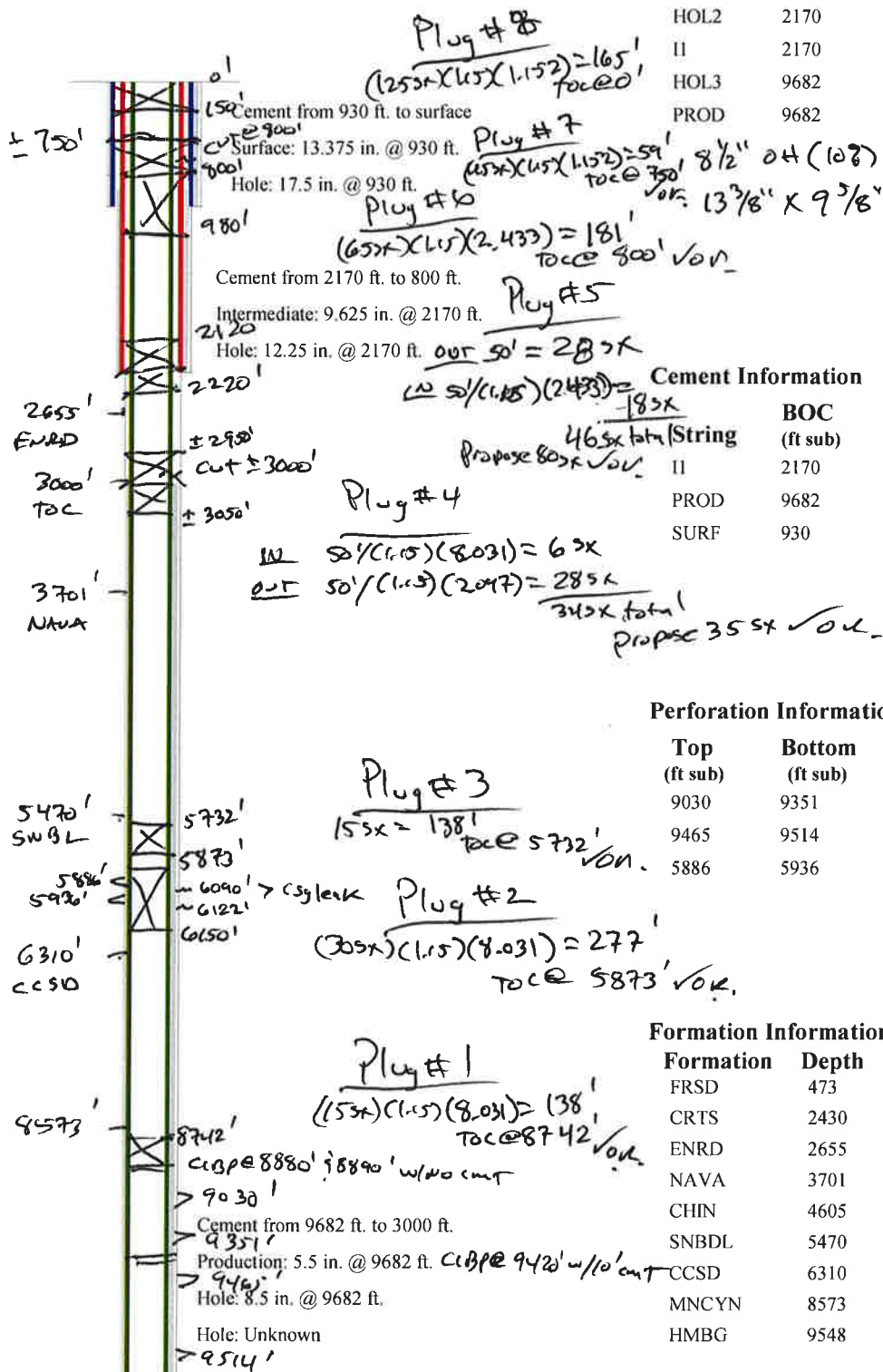
Coordinates: X: 520963 Y: 4366663

Field Name: WILDCAT

County Name: EMERY

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Capacity (F/cf)
HOL1	930	17.5			
SURF	930	13.375	54.4	930	2.433
HOL2	2170	12.25			
II	2170	9.625	47	2170	2.433
HOL3	9682	8.5			
PROD	9682	5.5	20	9682	8.031



TD: 9731 TVD: 9731 PBD: 6090

Revised Plugging Procedure Carbon Canal 5-12

1. Notify DOGM at least 24 hours in advance of move-in. (Dan Jarvis 801-538-5338)
2. Bleed down and load well
3. Rig up BOP
4. Function test BOP rams
5. Pick up 2 7/8 L-80 or P-110 tubing, changeover, drilling jars, 6 drill collars, bit sub and 4.75" mill
6. Go in hole 1500 ft., function test BOP pipe rams and pressure test annulus and pipe rams to 2500 psi
7. Run in hole to cement on top of retainer @ approximately 6,080'. Break circulation and drill out 10 foot of cement
8. Drill out cement retainer @ 6,090' and TIH second CIBP at 6,123'
9. Drill out cast iron bridge plug at 6,123' (No cement on top). If trouble with drill out spot cement on retainer and CIBP with tubing or wireline dump bailer, allow to set overnight and continue drill out
10. TIH to top of cast iron plug at 8,880 to verify hole clear. It is OK to push cast iron plug at 6,090' to top of plug at 8,880 if it is spinning but moving downhole.
11. Circulate hole clean with 9 lb or greater brine, bottoms up 1.5 times. TOH and laydown drilling equipment.
12. TIH open ended and spot 100' (15 sx) 1.15 yield G or H cement plug on top of cast iron plug at 8,880'. Space cement from brine with 3 bbl freshwater spacer. No tag required since cement is being set on plug.
13. Pull to 8,600' and reverse circulate tubing clean with 1.5 tubing volumes. Use 9 lb or greater water for displacement
14. Pull to 6,150'
15. Spot 200 ft. - 30 sx 1.15 yield G or H cement plug across casing leak or unreported perms 6,090 – 6,122'. Accelerate plug cement with calcium chloride. Space cement from brine with 3 bbl freshwater spacer.
16. Pull to 5,600' feet and reverse tubing clean with 1.5 tubing volumes of 9 lb or greater water. Continue to reverse circulate while WOC.
17. After WOC tag plug top – Must be at 5,990' or above
18. Pull to 5870' and spot 100 ft. (15 sx) 1.15 yield accelerated Class A, Type A, Type II or Class G or H cement plug 5,870' – 5,770'. Space cement from brine with 3 bbl freshwater spacer.
19. Pull up to 5,570' and reverse tubing clean with 1.5 tubing volumes of 9 lb or greater water. Remain reverse circulating while WOC
20. After WOC tag plug top – Must be at 5,770 or above
21. POH and rack tubing in derrick
22. Verify 5 1/2" casing can be released from slips, pick-up and run free point estimated at 3,450'.
23. Consult with Denver Operations before cutting casing or setting plug or making cut.
24. Cut 5 1/2" casing at 2,370' – 3,450' depending on free point indicated after discussion with Denver. If free point is above 2,370' procedure may have to be modified.
25. Pull and laydown 5 1/2" casing recovered – Send to yard for inspection for use at JDU
26. RIH with tubing and spot 100 foot - 35 sack Class A, Type A, Type II, Class G or H accelerated cement plug 1/2 in and 1/2 out of the 5 1/2" casing stub at cut-off point
27. POH to 300 feet above the plug circulate tubing clean with 9 lb/gal or greater water and continue to circulate while WOC.
28. After WOC tag plug top. Must be 50' above cut point

Revised Plugging Procedure Carbon Canal 5-12

Page 2

29. POH with tubing and spot 100' - 80 sx 1.15 yield Class A, Type A, Type II, Class G or H calcium chloride accelerated cement plug from 2,220' – 2,120' 50 feet above and below 9 5/8" shoe
30. Pull up to 2,000' reverse tubing clean with 1.5 tubing volumes of 9 lb/gal or greater water
31. Continue to circulate at 2000' while WOC
32. After WOC tag plug at 2,120', must be at or above 2,120'
33. TOH to 980' with tubing and spot 65 sx 1.15 yield accelerated Class A, Type A, Type, II, Class G or H cement plug from 980' – 800' 130 feet in and 50 feet out 13 3/8" surface casing shoe
34. Pull up to 800' reverse tubing clean with 1.5 tubing volumes of 9 lb/gal water
35. Reverse circulate while WOC
36. After WOC tag plug at +/- 800', must be at or above 875'
37. Pick-up 9 5/8" casing from slips and run free point. Should be free at about 800'
38. Cut and pull 9 5/8" casing at +/- 800 – Send to yard for inspection. If free point is significantly above 800' contact Denver for instructions prior to cutting 9 5/8"
39. TIH with tubing and tag cement in 9 5/8" stub. Tag up on top cement in 9 5/8", stub should be just below cut. Mix and spot plug of sufficient volume to assure stub is full and to place 50 feet of cent above stub in 13 3/8". Estimated plug size – 45 sacks 1.15 yield accelerated Class A, Type A, Type II, Class G or H cement plug
40. POH 200' above plug and circulate tubing clean and circulate while WOC
41. After WOC tag plug, must be at 50' or more above 9 5/8" cut point
42. POH to 150' and spot 125 sack accelerated Class A, Type A, Type II, Class G or H cement plug from 150' – 0' in 13 3/8"
43. Cut off casing and wellhead sufficiently below ground level to assure at least 4' of burial after restoration
44. Weld on plate with beaded on well information
45. Complete restoration as agreed to with surface owner and DOGM

DOGM has approved use of Class A, Type A or Type II cement if desired by operator above 6,000' for spotting plugs as opposed to using Class G or H.

From: [Dustin Doucet](#)
To: [John Keller](#)
Cc: [Scott Swain](#)
Subject: Re: Revised Procedure Carbon Canal 6-12
Date: Tuesday, June 21, 2016 6:34:23 PM

Yes, I would consider Type A. I know Type II has been typically available and less expensive than G and we have used that quite a bit for plugging in similar situations.

Dustin

On Tue, Jun 21, 2016 at 6:06 PM, John Keller <JohnK@whiting.com> wrote:

Dustin,

I have removed the CIBP and cement and will spot plugs half in and half out at the cut point on the 5 ½ and the 9 5/8".

I am not sure if Class A is available in the area, but it is typically much less expensive than G or H in most cases and its use above 6,000 feet would be fine in regard to compressive strength and temperature degradation and would be fully compliant with API and Halliburton guidance. Would you consider allowing us to use Class A in lieu of G or H above 6,000' if it is less expensive and available?

The revised procedure as per your request and attached above. I will modify the state well accordingly.

John Keller
Operations Manager
Whiting Petroleum Corporation
and its wholly owned subsidiary
Whiting Oil and Gas Corporation
1700 Broadway, Suite 2300
Denver, CO 80290
Direct [\(303\) 390-4277](tel:3033904277)
Fax [\(303\) 390-4068](tel:3033904068)
johnk@whiting.com
www.whiting.com

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RECEIVED: Jun. 22, 2016

From: Dustin Doucet [mailto:dustindoucet@utah.gov]
Sent: Tuesday, June 21, 2016 3:53 PM
To: John Keller
Subject: Re: Revised Procedure Carbon Canal 6-12

John,

If the only change is pulling casing, shouldn't be a problem. One thing our rules require is placing a minimum 100' plug inside and out of the stub. I didn't see that in there, just a CIBP 50' in w/10' cmt on top.

Dustin

On Tue, Jun 21, 2016 at 3:29 PM, John Keller <JohnK@whiting.com> wrote:

Dustin,

I believe I have incorporated the changes you made to the original procedure with mine. See if this looks good to you. I have a place I can possibly use the recovered 9 5/8" and the 5 1/2" over in Wyoming and having it out will make plug setting simpler. I included tags on all plugs except the one set on the bridge plug as it obviously could not go down. If you want a tag we will do so of course. I have also included accelerator in most of the plug cement to cut down set times to allow setting more plugs in a day allowing for doing the tags as well. I will have the State 16H-32-15-12 proposed revised procedure either late today or in the morning for your review. The crew that will do this work will be finishing a P&A in Colorado either this week or next week and will move to the Carbon Canal shortly after the July 4th weekend.

John Keller
Operations Manager
Whiting Petroleum Corporation
and its wholly owned subsidiary
Whiting Oil and Gas Corporation
1700 Broadway, Suite 2300
Denver, CO 80290
Direct [\(303\) 390-4277](tel:(303)390-4277)
Fax [\(303\) 390-4068](tel:(303)390-4068)
johnk@whiting.com
www.whiting.com

RECEIVED: Jun. 22, 2016

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Dustin K. Doucet

Petroleum Engineer

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--

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: CARBON CANAL 5-12
2. NAME OF OPERATOR: WHITING OIL & GAS CORPORATION		9. API NUMBER: 43015307090000
3. ADDRESS OF OPERATOR: 1700 Broadway, Suite 2300, Denver, CO, 80290 2300		9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2127 FNL 0649 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 12 Township: 16.0S Range: 10.0E Meridian: S		COUNTY: EMERY
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/23/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Carbon Canal 5-12 well has been plugged and abandoned per the attached documents.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 September 01, 2016

NAME (PLEASE PRINT) Cara Mezydlo	PHONE NUMBER 303 876-7091	TITLE Engineering Technician
SIGNATURE N/A		DATE 8/24/2016

Carbon Canal 5-12 P&A Operations Summary

1. Drilled out cement plugs and CIBPSs to top of CIBP @ 8867'. Pumped 11 sack Class G cement* on top of CIBP.
2. Pumped 22 sack Class G cement plug from 6150'. Tagged TOC @ 6002'. Pumped additional 30 sack Class G cement plug on top. Tagged TOC @ 5772'.
3. Pumped 18 sack Class G cement plug from 3750'. Tagged TOC @ 3570'.
4. Perforated 2247-2250'. Set CICR @ 2225'. Pump 75 sack Class G cement through CICR. TOC tagged @ 2005'.
5. Perforated 997-1000'. Set CICR @ 985'. Pump 75 sack Class G cement through CICR. RU to run temp log, TOC tagged @ 855' inside 5-1/2" csg, and TOC @ 750' between 8-1/2" hole and 5-1/2" csg based on temp log.
6. Cut 5-1/2" csg @ 730' and pulled cut csg out of hole. Pumped 20 sack Class G cement plug from 770'. Tagged TOC @ 688'.
7. Cut 9-5/8" csg @ 625' and pulled cut csg out of hole. Pumped 45 sack Class G cement plug from 688'. Calculated TOC @ 628'.
8. Pumped 125 sack Class G cement balanced plug from 150' to surface.
9. Cut csg 4' BGL and installed marker.

*All cement pumped is Class G, 15.8 ppg, 1.15 yield

Plan revisions from approved plan proposed by Whiting Oil and Gas Corporation on 6/21/2016, were approved by Dustin Doucet (UT DOGM) on 7/20/16.



Job Summary

Whiting Oil & Gas Corp
1700 Broadway, Suite 2300
Denver, CO 80290
(303) 837-1661

Well Name: CARBON CANAL 5-12

Plug & Abandon
Job Started on 7/5/2016

WPC ID 1UT029800	API Number 4301530709	Field Name Wildcat	County Emery	State UT	Operator WOGC	Gr Elev (ft) 5,569.00	Orig KB El... 5,595.00
AFE Number 16-0472		Total AFE Amount (Cost) 150,000.00		Supp Amt (Cost) 150,000.00		Total AFE + Supp Amount (Cost) -112,102.00	
Job Category Plug & Abandon		Job Type Plug & Abandon		Working Interest 100	Total Fid Est (Cost) 262,102.00	Start Date 7/5/2016	End Date 7/24/2016

Daily Operation Reports (6am to 6am)

Job Day (days)	Rpt #	Start Date	End Date	Summary
1	1.0	7/5/2016	7/6/2016	Held tailgate meeting and JSA. Set spill containment and MIRU well service unit.
2	2.0	7/6/2016	7/7/2016	SICP 5-1/2" = 1150 psi, SICP 9-5/8" = 0 psi, SICP 13-3/8" = 0 psi psi. Held tailgate safety meeting and JSA. Set spill containment and moved in support equipment secured well and SDFN.
3	3.0	7/7/2016	7/8/2016	SICP 5-1/2" = 1150 psi, SICP 9-5/8" = 0 psi, SICP 13-3/8" = 0 psi. Held tailgate safety meeting and JSA. Set spill containment and moved in support equipment. Delivered and racked out 280 jts 2-7/8" 8 rmd EUE 6.5# P-110 tbg and SDFN.
7	4.0	7/11/2016	7/12/2016	SICP = 1150 psi. Held tailgate safety meeting and JSA. Bled off well to 25 psi to rig tank dry gas no fluid. Pumped 60 bbls 9# brine, ND 7-1/16" 10K frac valve and NU 7-1/16" 5K BOPE. PU RBS Tools BHA 1 as follows: (1) 4-5/8" OD bladed insert mill 0.42', (1) 3-3/4" OD bit sub 1.49', (1) 3-3/4" OD LBS 7.97', (1) 3-3/4" OD JAR 12.97', (6) 3-1/2" drill collars 186.01', (1) 3-3/4" OD Intensifier 11.65', (1) 3-5/8" OD XO sub 0.98', (1) 2-7/8" P-110 pup jt 8.20'. RIH with 92 jts 2-7/8" 8 rmd EUE 6.5# P-110 tbg (EOT @ 3249'). Secured well and SDFN.
8	5.0	7/12/2016	7/13/2016	SICP = 200 psi, SITP = 200 psi. Held tailgate safety meeting and JSA. Bled off gas head to rig tank, pumped 60 bbls 9# brine down tbg - well dead. RIH another 84 jts 2-7/8" 8 rmd EUE 6.5# P-110 tbg, tagged cement top @ 5984', and broke circulation with 110 bbls 9# brine (4 bbls/min @ 1000 psi tbg pressure). Drilled cement streamers down to cement top @ 6083', milled thru 4' of cement, and tagged CICR @ 6087' with (180) jts. Lost total of 200 bbls to formation. Racked power swivel, POOH with (9) jts 2-7/8" tbg EOT now @ 5824' (171 jts tbg in hole). Secured well and SDFN.
9	6.0	7/13/2016	7/14/2016	SICP = 0 psi, SITP = 0 psi. Pumped 20 bbls 9# brine down tbg. RIH (8) jts 2-7/8" P-110 tbg, (1) 2-7/8" string float, PU power swivel and (1) jt 2-7/8" P-110 tbg. RU Weatherford N2 foam unit, broke circulation, slacked off and tagged CICR @ 6087'. Milled with 5K WOM @ 1400 FP torque, fell thru CICR and chased down to 6126' w/ (181) jts 2-7/8" tbg. PU 3', circulate hole clean, and pumped 20 bbls kill on tbg. LD 2 jts 2-7/8" tbg, string float, and POOH with (8) jts 2-7/8" tbg. EOT @ 5824' w (171) jts in hole. Secured well and SDFN.
10	7.0	7/14/2016	7/15/2016	SICP = 500 psi; SITP = 0 psi. Held tailgate safety meeting and JSA. TIH with (9) jts of 2-7/8" tbg, broke circulation with N2, milled on CIBP @ 6126', milled 2' and fell thru plug. Chased down to CIBP @ 8867' w/ 265 jts tbg. PU power swivel and circulate well clean with N2. Pumped 20 bbls kill on tbg, POOH with (133) jts 2-7/8" 8 rmd EUE 6.5# P-110 tbg (EOT @ 4553'), secured well and SDFN.
11	8.0	7/15/2016	7/16/2016	SICP = 900 psi, SITP = 600 psi. Held tailgate safety meeting and JSA. Pumped 40 bbls 9# brine down tbg - well dead. POOH with (132) jts 2-7/8" 8 rmd EUE 6.5# P-110 tbg, and laid down drilling tools. RIH with (1) 2-7/8" seating nipple W/NC on bottom, (269) jts 2-7/8" 8 rmd EUE 6.5# P-110 tbg - EOT @ 8793'. Hydrotested tbg to 8500 psi. POOH with (90) jts tbg - EOT @ 5858'. Secured well and SDFN.
14	9.0	7/18/2016	7/19/2016	SICP = 700 psi, SITP = 800 psi. Held tailgate safety meeting and JSA. Bled off well to rig tank and pumped 50 bbls produced water down tbg, well dead. TIH with (92) jts 2-7/8" P-110 tbg and (2) 2-7/8" P-110 pup jts - EOT @ 8867'. Filled hole with 175 bbls 9# brine 3.5 bbls/min @ 800 psi. Pumped 3.5 bbls fresh water 3.5 bbls/min @ 570 psi, Pumped 11 sks 2.25 bbls 15.8# 1.15 yield class G cement 3.5 bbls/min @ 570 psi. Pumped 1 bbl fresh water 3.5 bbls/min @ 600 psi, displaced with 49.76 bbls 9# brine 3.5 bbls/min @ 800 psi. Layed down (9) jts 2-7/8" P-110 tbg - EOT @ 8565'. Reversed tbg clean with 75bbls 9# brine 3.5 bbls/min @ 800 psi. Layed down another (74) jts 2-7/8" P-110 tbg - EOT @ 6150'. Filed hole with 20 bbls 9# brine 3.5 bbls/min @ 380 psi. Pumped 3.5 bbls fresh water 3 bbls/min @ 380 psi, Pumped 22 sks 4.42 bbls 15.8# 1.15 yield class G cement w/ 2% calc 3 bbls/min @ 400 psi, Pumped 1 bbl fresh water 3.5 bbls/min @ 280 psi, displaced with 33.45 bbls 9# brine 3.8 bbls/min @ 280 psi. Layed down (9) jts 2-7/8" P-110 tbg - EOT @ 5870' - reversed tbg clean with 50 bbls 9# brine 3.8 bbls/min @ 280 psi. WOC RIH with wireline and tagged TOC @ 6002' - not sufficient height of cement plug. Decision was made to pump 276' (30)skcs cement plug from 6002' EOT. TIH with (4) jts 2-7/8" P-110 tbg - EOT @ 6002'. Filled hole with 15 bbls 9# brine 3.5 bbls/min @ 320 psi, pumped 3.5 bbls fresh water 2.6 bbls/min @ 300 psi, pumped 30 sks 6.1 bbls 15.8# 1.15 yield class G cement w/2% cacl, 3.8 bbls/min @ 370 psi, pumped 1 bbl fresh water 3.2 bbls/min @ 250 psi, displaced with 32.4 bbls 9# brine 3.2 bbls/min @ 240 psi. Layed down (13) jts 2-7/8" P-110 tbg - EOT @ 5564' - reversed tbg clean with 45 bbls 9# brine 3.5 bbls/min @ 410 psi. Layed down (63) jts 2-7/8" P-110 tbg - EOT @ 3509'. WOC RIH with wireline tagged TOC @ 5772'. Secured well and SDFN.
15	10.0	7/19/2016	7/20/2016	SICP 0 psi SITP 0 psi. Held tailgate safety meeting and JSA. POOH with (107) jts 2 7/8" P-110 tbg, (1) 2 7/8" seat nipple w/notched collar on bottom. Top off 5 1/2" csg with 15 bbls 9# brine. ND 7" BOPE and ND tbg head. Tried to remove 11"10k x 13"10k DSA with 7" seal bore, would not pull off csg head, NU tbg head and 7" x 2 7/8" 8 rmd eue blind flange. RU 3 3/4" jar and 3 3/4" intensifier jar several times @ 50k would not pull free. Layed down jar and intensifier, NU 7" BOPE and RU pressure test unit to bottom test port on DSA tried to hydraulically jack up DSA no luck, secured well and SDFN.



Job Summary

Whiting Oil & Gas Corp
1700 Broadway, Suite 2300
Denver, CO 80290
(303) 837-1661

Well Name: CARBON CANAL 5-12

Plug & Abandon
Job Started on 7/5/2016

WPC ID 1UT029800	API Number 4301530709	Field Name Wildcat	County Emery	State UT	Operator WOGC	Gr Elev (ft) 5,569.00	Orig KB El... 5,595.00
AFE Number 16-0472		Total AFE Amount (Cost) 150,000.00		Supp Amt (Cost) 150,000.00		AFE - Field Est (Cost) -112,102.00	
Job Category Plug & Abandon		Job Type Plug & Abandon		Working Interest 100	Total Fid Est (Cost) 262,102.00	Start Date 7/5/2016	End Date 7/24/2016

Daily Operation Reports (6am to 6am)

Job Day (days)	Rpt #	Start Date	End Date	Summary
16	11.0	7/20/2016	7/21/2016	SICP 0 psi Held tailgate safety meeting and JSA. RIH with (1) 2 7/8" seating nipple w/ notched collar on bottom, (114) jts 2 7/8" P-110 tbg EOT @3750'. RU cementers, Filled hole with 5 bbls 9# brine 3bbls/min @ 300 psi, pumped 3.5 bbl fresh water 2.8 bbls/min @ 270 psi, pumped 18 sks 3.68 bbls 15.8# 1.15 yield class G cement w/2% calc 2.8 bbls/min @ 280 psi, pumped 1 bbl fresh water 3.2 bbls/min @ 310 psi, displaced with 19.74 bbls 9# brine 3.6 bbls/min @ 220 psi. layed down (10) jts 2 7/8" P-110 tbg EOT @ 3411' reversed tbg clean with 30 bbls 9# brine 3.5 bbls/min @ 320 psi. Layed down another (36) jts 2 7/8" P-110 tbg EOT @ 2236' POOH with (68) jts 2 7/8" P-110 tbg, (1) 2 7/8" seat nipple w/ notched collar on bottom. WOC then RU wireline RIH with 3 1/8" OD x 3' perf guns 4/SPF 12 shots total. Tagged TOC @ 3570' PU and shot holes from 2247'-2250' POOH and RD wireline. Secured well and SDFN.
17	12.0	7/21/2016	7/22/2016	SICP 0 psi SITP 0 psi. Held tailgate safety mtg and JSA. RIH with (1) 5 1/2" 32A tension pkr, (67) jts 2 7/8" P-110 tbg, set pkr @ 2230'. Hole standing full, pressure test csg to 1000 psi good test. RU cementers tbg full pressure up on perforations broke @ 2100 psi, circ 130 bbls 9# brine 4 BPM, 500 psi. Release pkr, POOH with (67) jts 2 7/8" P-110 tbg and LD pkr. RIH with 5 1/2" CICR and (67) jts 2 7/8" P-110 tbg, set CICR @ 2225'. Obtain injection rate thru CICR 5 bbls fresh water 3.6 BPM @ 210 psi. Pump 75 sks 15.36 bbls 15.8# 1.15 yield class G cement w/2% calc 3.8 BPM @ 80 psi, pump 1 bbl fresh water 3.6 BPM @ 100 psi, displace with 6.7 bbls 9# brine 3.5 BPM @ 380 psi. LD (10) jts 2 7/8" P-110 tbg EOT @ 1899' reverse tbg clean with 20 bbls 9# brine 3.5 BPM @ 380 psi. LD another (27) jts 2 7/8" P-110 tbg EOT @ 1018'. POOH with (30) jts 2 7/8" P-110 tbg and LD CICR stinger. RU wireline, WOC RIH with 3 1/8" OD x 3' perf guns 4/spf, tag TOC @ 2005' PU shot holes from 997'-1000'. POOH with wireline, RU cementers circ thru perforations with 70bbls 9# brine 3.5 BPM @ 130 psi. RIH with (1) 5 1/2" CICR and (29) jts 2 7/8" P-110 tbg set CICR @ 985'. RU cementers pump 5 bbls fresh water 3.5 BPM @ 160 psi, pump 75 sks 15.36 bbls 15.8# 1.15 yield class G cement w 2% calc 3.5 BPM @ 80 psi, displace with .6 bbl fresh water 3.5 BPM @ 80 psi. LD (11) jts 2 7/8" P-110 tbg EOT @ 604' reverse tbg clean with 10 bbls 9# brine 3.5 BPM @ 160 psi. POOH with (18) jts 2 7/8" P-110 tbg and LD CICR stinger. RU wireline RIH with (1) 1 3/8 x 1' temp log tool, (1) 1 3/8" x 1' CCL, (1) 1 11/16" x 7' sinker bar and tag TOC inside 5 1/2" csg @ 855'. TOC in 5 1/2" x 9 5/8" annulus according to temp log is @ 750'. RIH with (1) 5 1/2" mechanical cutter and (1) jt 2 7/8" P-110 tbg PU power swivel and cut 5 1/2" csg 7' below GL. ND BOPE, install B1 flange with tbg pup and bull plug, secure well. SDFN.
18	13.0	7/22/2016	7/23/2016	SIWP 0 psi. Held tailgate safety meeting and JSA. Dug out cellar, cut off wellhead from 9 5/8" and 13 3/8" csg. NU 13" 3k weld on flange to 13 3/8" csg, RU wireline RIH with jet cutter and cut 5 1/2" csg @ 730' POOH wireline, RIH with (1) 7 3/8" OD overshot and (1) jt 2 7/8" P-110 tbg latched onto 5 1/2" csg, POOH and laid down (1) jt 2 7/8" P-110 tbg, (1) 7 3/8" OD overshot and (15) jts 5 1/2" P-110 csg. RIH with (23) jts 2 7/8" P-110 tbg EOT @ 770'. RU cementers, filled hole with 6 bbls 9# brine 3 bbls/min @ 80 psi, pumed 5 bbls fresh water 3 bbls/min @ 80 psi, pumped 20 sks 4 bbls 15.8# 1.15 yield class G cement w 2% calc 3 bbls/min @ 80 psi, pumped 1 bbl fresh water 3.2 bbls/min @ 10 psi, displaced with 2.98 bbls 9# brine 3.2 bbls/min @ 60 psi. Laid down (5) jts 2 7/8" P-110 tbg EOT 604' reversed tbg clean with 10 bbls 9# brine 3 bbls/min @ 50 psi. POOH with (18) jts 2 7/8" P-110 tbg. RU wireline RIH with cement bond log tools tagged TOC in 5 1/2" csg @ 688' did not have cement behind 9 5/8" csg above 688', POOH and RD wireline. RIH with hydraulic cutter and (18) jts of 2 7/8" P-110 tbg then cut 9 5/8" csg @ 625'. POOH with (18) jts 2 7/8" P-110 tbg and laid down cutter. RIH with releasing spear and (1) jt 2 7/8" P-110 tbg, tried to pull 9 5/8" csg no luck it was not cut completely thru. Tried to jar free several times no luck. RU wireline RIH with explosive charge coorilated over original cut and shot csg off @ 625' POOH and RD wireline. POOH and laid down 14 jts 9 5/8" 47# P-110 csg (note): csg was torqued too tight to break out with csg tongs had to torch cut every jt.
19	14.0	7/23/2016	7/24/2016	SICP 0 psi Held tailgate safety meeting and JSA. RIH with (20) jts 2 7/8" P-110 tbg EOT @ 688' filled hole with 5 bbls 9# brine 3 bbls/min @ 60 psi, pumped 45 sks 9.2 bbls 15.8# 1.15 yield class G cement 3 bbls/min @ 30 psi, pumped 1 bbl fresh water 3 bbls/min @ 30 psi, displaced with 2.76 bbls 9# brine 3 bbls/min @ 50 psi. Laid down (15) jts 2 7/8" P-110 tbg EOT @ 150'. Pumped 125 sks 25.6 bbls 15.8# 1.15 yield class G cement 3.2 bbls/min @ 40 psi circulated cement to surface. Cut off 13 3/8" weld on flange and installed marker plate 4' below GL. Riggged down service unit racked out support equipment and moved off location.

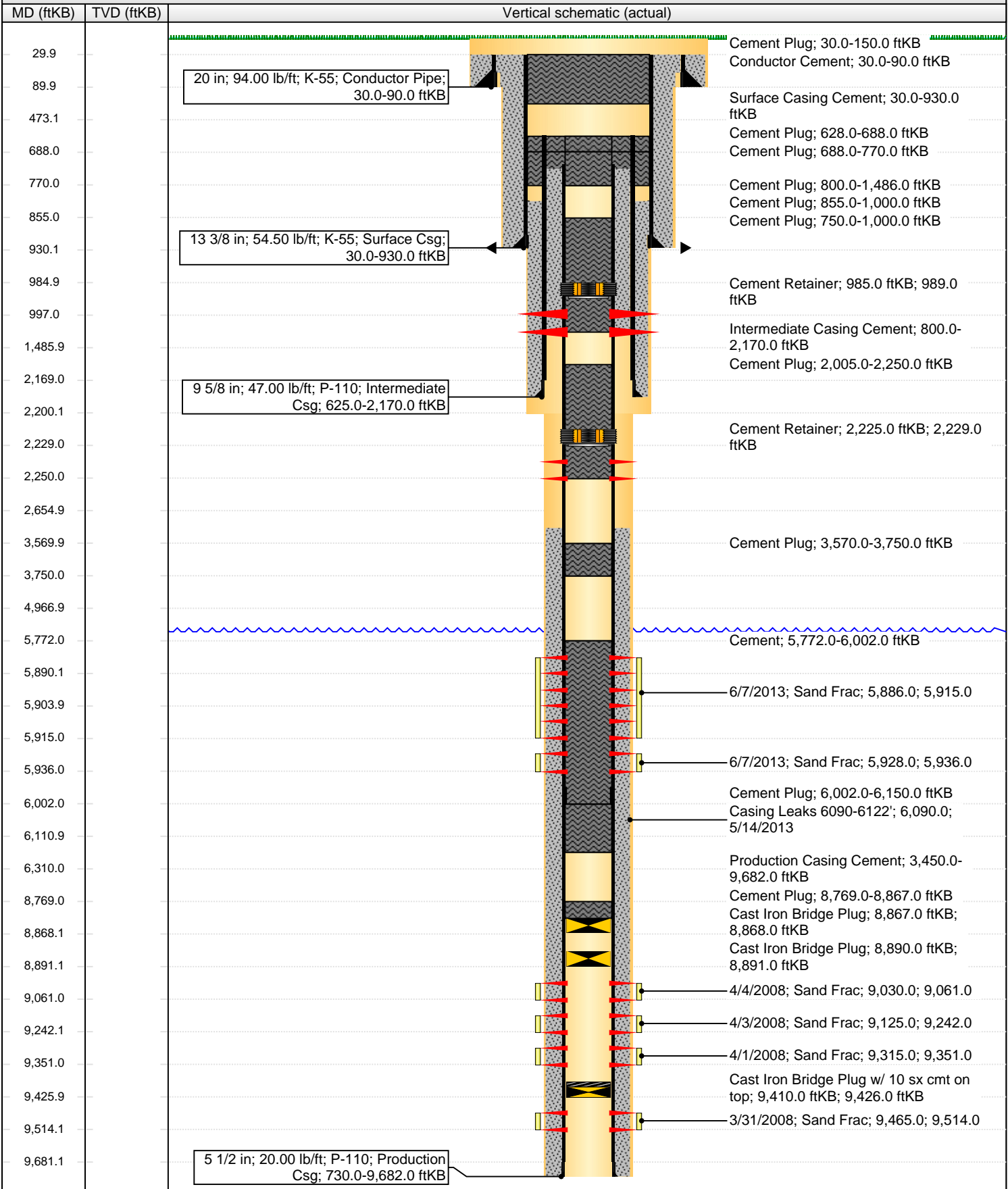


Whiting Oil & Gas Corp
 1700 Broadway, Suite 2300
 Denver, CO 80290
 (303) 837-1661

Vertical Wellbore Diagram

Well Name: **CARBON CANAL 5-12**

Vertical - Sidetrack 1, 8/22/2016 3:50:11 PM





PERFORMANCE PROFESSIONALS™

P.O. Box 827 • Vernal, UT 84078
Phone: (435) 789-1735

8198

JOB SUMMARY REPORT

Customer <i>Whiting</i>			Date <i>7-18-16</i>		Ticket Number	
Lease & Well Name <i>Carbon Canal S-12</i>			Sec.	Twp.	Range	County <i>Emery</i>
Job Type <i>PTA</i>			Drilling Contractor			
Surface CSG Size <i>9 5/8</i>	Wt./Grade <i>477#</i>	Thread	Depth From		To	
Inter CSG Size	Wt./Grade	Thread	Depth From		To	
Prod. CSG Size <i>5 1/2</i>	Wt./Grade <i>20</i>	Thread	Depth From		To	
Liner CSG Size	Wt./Grade	Thread	Depth From		To	
TBG or D.P. Size <i>2 7/8</i>	Wt./Grade <i>6.5</i>	Thread	Depth From <i>6</i>		To <i>8867</i>	
SKS	Materials Furnished			Slurry Wt. P.P.G.	Slurry Yield FT ³	Water Gal./Sk.
<i>421</i>	<i>Neat cement</i>			<i>15.8</i>	<i>1.15</i>	<i>5</i>

Float Equipment

N/A

Equipment & Personnel

Stave #152, Pump #46, Brander #65-67, Driller #65-68

Notes

pumped 11 sks at 8867'
pumped 22 sks at 6150', Tagged at 6002'
pumped 30 sks at 6002' to 5726', Tagged at 5772'
pumped 18 sks at 3750 to 3583' Tag, pumped 75 sks thru vibrator
pumped 75 sks thru vibrator at 485', pumped 20 sks at 770'
pumped 45 sks at 680', pumped 125 sks at 150' to surface

PROPETRO

P.O. Box 827 • Vernal, UT 84078

Phone: (435) 789-1735

MS

9350

Date 7-18-16, 20For LeasingLease Carbon Canal 5-12

Rig No. _____

JOB LOG

TIME	DESCRIPTION	RATE	PSI	VOLUME
700	on location rig up Safety meeting			
905	Fill Hole with Brine	3.5	800	6
945	End	0	0	175
1003	Start H2O	3.5	570	3.5
1004	pump cement 15.8 ⁴ / ₅ 11 3/4	3.5	570	2.25
1005	pump H2O	3.5	600	1
1005	Start Brine Displacement	3.5	910	0
1019	End	0	0	49.76
1030	reverse Tubing	3.5	800	
1055	End	0	0	75
1200	Fill Hole	3.5	380	20
1205	pump H2O	3	380	3.5
1217	pump cement 15.8 ⁴ / ₅ 72 5/8 7 1/2	3	400	4.42
1218	pump H2O	3	280	1
1218	Start Displacement	3.8	280	0
1227	End	0	0	33.45
1241	reverse Tubing	3.8	380	0
1253	End	0	0	50
	Teg plug at 6000'			
1538	Fill Hole	3.5	320	15
1548	pump H2O	2.6	300	3.5
1550	pump cement 15.8 ⁴ / ₅ 30 5/8 7 1/2	3.8	370	6.1
1552	pump H2O	3.2	280	1
1552	Pump Brine	3.2	240	0
1601	End	0	0	32.4
1617	reverse Tubing	3.5	410	4.5
	Teg cement at 5772'			
1900	released from location			

Operator Stone

Accepted and approved by _____

PROPETRO

P.O. Box 827 • Vernal, UT 84078

Phone: (435) 789-1735

9351

For WhitingsDate 7-20-16, 20Lease Carbon Canal S-12

Rig No. _____

JOB LOG

TIME	DESCRIPTION	RATE	PSI	VOLUME
1300	on location, sig up safety meeting			
1336	Fill H ₂ O	3	300	5
1344	pump H ₂ O	2.8	270	3.5
1345	concent 15.8 th /gal 18 sec 7 th /min	2.8	290	3.68
1347	H ₂ O	3.2	310	1
1347	Start brine displacement	3.6	220	6
1353	Brine	6	6	19.74
1409	reverse Tubing	3.5	320	6
1418	Brine	4	6	30
7-21-16				
800	on location, Safety meeting			
830	pump brine	4	500	130
1040	Injection rate thru retainers	3.6	210	5
1045	pump concent 15.8 th /gal 75 sec 7 th /min	3.6	80	15.36
1050	pump H ₂ O	3.6	100	1
1051	Start brine displacement	3.6	40	6
1153	Stop displacement, string out of retainers	6	6	6.78
1104	reverse Tubing	3.5	350	20
1220	circulate pack	3.5	130	70
1325	H ₂ O	3.5	160	5
1328	concent 15.8 th /gal 75 sec 7 th /min	3.5	80	15.36
1334	H ₂ O	3.5	80	6.6
1335	String out of retainers	3.5	160	10
1351	reverse Tubing			
7-22-16				
1230	on location, Safety meeting			
1510	Fill H ₂ O with brine	3	80	6
1522	H ₂ O	3	80	5
1526	concent 15.8 th /gal 20 sec 7 th /min	3	80	4
1528	H ₂ O	3.2	10	1

Operator Star

Accepted and approved by _____

9352

For Whiting

Lease Carbon Canal 5-12

Rig No. _____

JOB LOG

Operator Shane

Accepted and approved by

9247

For writing

Address

Lease Carbon Canal

Rig No.

Operator Stam

Accepted and approved by

7-23-16

From: [John Keller](#)
To: [Cara Mezydlo](#)
Subject: FW: Revised Procedure Carbon Canal 6-12
Date: Tuesday, August 02, 2016 4:20:50 PM
Attachments: [Rev PA Procedure Carbon Canal 5-12 \(4\).docx](#)

This is what I initially sent to Dustin on Carbon Canal

John Keller

Operations Manager

Whiting Petroleum Corporation

and its wholly owned subsidiary

Whiting Oil and Gas Corporation

1700 Broadway, Suite 2300

Denver, CO 80290

Direct (303) 390-4277

Fax (303) 390-4068

johnk@whiting.com

www.whiting.com

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From: John Keller
Sent: Tuesday, June 21, 2016 6:07 PM
To: 'Dustin Doucet'
Cc: Scott Swain
Subject: RE: Revised Procedure Carbon Canal 6-12

Dustin,

I have removed the CIBP and cement and will spot plugs half in and half out at the cut point on the 5 ½ and the 9 5/8".

I am not sure if Class A is available in the area, but it is typically much less expensive than G or H in most cases and its use above 6,000 feet would be fine in regard to compressive strength and temperature degradation and would be fully compliant with API and Halliburton guidance. Would you consider allowing us to use Class A in lieu of G or H above 6,000' if it is less expensive and available?

The revised procedure as per your request and attached above. I will modify the state well accordingly.

John Keller

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RECEIVED: Aug. 24, 2016

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From: Dustin Doucet [<mailto:dustindoucet@utah.gov>]
Sent: Tuesday, June 21, 2016 3:53 PM
To: John Keller
Subject: Re: Revised Procedure Carbon Canal 6-12

John,

If the only change is pulling casing, shouldn't be a problem. One thing our rules require is placing a minimum 100' plug inside and out of the stub. I didn't see that in there, just a CIBP 50' in w/10' cmt on top.

Dustin

On Tue, Jun 21, 2016 at 3:29 PM, John Keller <JohnK@whiting.com> wrote:
Dustin,

I believe I have incorporated the changes you made to the original procedure with mine. See if this looks good to you. I have a place I can possibly use the recovered 9 5/8" and the 5 1/2" over in Wyoming and having it out will make plug setting simpler. I included tags on all plugs except the one set on the bridge plug as it obviously could not go down. If you want a tag we will do so of course. I have also included accelerator in most of the plug cement to cut down set times to allow setting more plugs in a day allowing for doing the tags as well. I will have the State 16H-32-15-12 proposed revised procedure either late today or in the morning for your review. The crew that will do this work will be finishing a P&A in Colorado either this week or next week and will move to the Carbon Canal shortly after the July 4th weekend.

John Keller
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RECEIVED: Aug. 24, 2016

--

Dustin K. Doucet
Petroleum Engineer
Division of Oil, Gas and Mining
1594 West North Temple, Ste 1210
Salt Lake City, Utah 84116
801.538.5281 (ofc)
801.359.3940 (fax)

web: www.ogm.utah.gov

Revised Plugging Procedure Carbon Canal 5-12

1. Notify DOGM at least 24 hours in advance of move-in. (Dan Jarvis 801-538-5338)
2. Bleed down and load well
3. Rig up BOP
4. Function test BOP rams
5. Pick up 2 7/8 L-80 or P-110 tubing, changeover, drilling jars, 6 drill collars, bit sub and 4.75" mill
6. Go in hole 1500 ft., function test BOP pipe rams and pressure test annulus and pipe rams to 2500 psi
7. Run in hole to cement on top of retainer @ approximately 6,080'. Break circulation and drill out 10 foot of cement
8. Drill out cement retainer @ 6,090' and TIH second CIBP at 6,123'
9. Drill out cast iron bridge plug at 6,123' (No cement on top). If trouble with drill out spot cement on retainer and CIBP with tubing or wireline dump bailer, allow to set overnight and continue drill out
10. TIH to top of cast iron plug at 8,880 to verify hole clear. It is OK to push cast iron plug at 6,090' to top of plug at 8,880 if it is spinning but moving downhole.
11. Circulate hole clean with 9 lb or greater brine, bottoms up 1.5 times. TOH and laydown drilling equipment.
12. TIH open ended and spot 100' (15 sx) 1.15 yield G or H cement plug on top of cast iron plug at 8,880'. Space cement from brine with 3 bbl freshwater spacer. No tag required since cement is being set on plug.
13. Pull to 8,600' and reverse circulate tubing clean with 1.5 tubing volumes. Use 9 lb or greater water for displacement
14. Pull to 6,150'
15. Spot 200 ft. - 30 sx 1.15 yield G or H cement plug across casing leak or unreported perms 6,090 – 6,122'. Accelerate plug cement with calcium chloride. Space cement from brine with 3 bbl freshwater spacer.
16. Pull to 5,600' feet and reverse tubing clean with 1.5 tubing volumes of 9 lb or greater water. Continue to reverse circulate while WOC.
17. After WOC tag plug top – Must be at 5,990' or above
18. Pull to 5870' and spot 100 ft. (15 sx) 1.15 yield accelerated G or H cement plug 5,870' – 5,770'. Space cement from brine with 3 bbl freshwater spacer.
19. Pull up to 5,570' and reverse tubing clean with 1.5 tubing volumes of 9 lb or greater water. Remain reverse circulating while WOC
20. After WOC tag plug top – Must be at 5,770 or above
21. POH and rack tubing in derrick
22. Verify 5 1/2" casing can be released from slips, pick-up and run free point estimated at 3,450'.
23. Consult with Denver Operations before cutting casing or setting plug or making cut.
24. Cut 5 1/2" casing at 2,370' – 3,450' depending on free point indicated after discussion with Denver. If free point is above 2,370' procedure may have to be modified.
25. Pull and laydown 5 1/2" casing recovered – Send to yard for inspection for use at JDU
26. RIH with tubing and spot 100 foot - 35 sack accelerated plug 1/2 in and 1/2 out of the 5 1/2" casing stub at cut-off point
27. POH to 300 feet above the plug circulate tubing clean with 9 lb/gal or greater water and continue to circulate while WOC.
28. After WOC tag plug top. Must be 50' above cut point
29. POH with tubing and spot 100' - 80 sx 1.15 yield calcium chloride accelerated G or H cement plug from 2,220' – 2,120' 50 feet above and below 9 5/8" shoe

Revised Plugging Procedure Carbon Canal 5-12

Page 2

30. Pull up to 2,000' reverse tubing clean with 1.5 tubing volumes of 9 lb/gal or greater water
31. Continue to circulate at 2000' while WOC
32. After WOC tag plug at 2,120', must be at or above 2,120'
33. TOH to 980' with tubing and spot 65 sx 1.15 yield accelerated G or H cement plug from 980' – 800' 130 feet in and 50 feet out 13 3/8" surface casing shoe
34. Pull up to 800' reverse tubing clean with 1.5 tubing volumes of 9 lb/gal water
35. Reverse circulate while WOC
36. After WOC tag plug at +/- 800', must be at or above 875'
37. Pick-up 9 5/8" casing from slips and run free point. Should be free at about 800'
38. Cut and pull 9 5/8" casing at +/- 800 – Send to yard for inspection. If free point is significantly above 800' contact Denver for instructions prior to cutting 9 5/8"
39. TIH with tubing and tag cement in 9 5/8" stub. Tag up on top cement in 9 5/8", stub should be just below cut. Mix and spot plug of sufficient volume to assure stub is full and to place 50 feet of cement above stub in 13 3/8". Estimated plug size – 45 sacks 1.15 yield accelerated G or H cement plug
40. POH 200' above plug and circulate tubing clean and circulate while WOC
41. After WOC tag plug, must be at 50' or more above 9 5/8" cut point
42. POH to 150' and spot 125 sack accelerated Class G or H plug from 150' – 0' in 13 3/8"
43. Cut off casing and wellhead sufficiently below ground level to assure at least 4' of burial after restoration
44. Weld on plate with beaded on well information
45. Complete restoration as agreed to with surface owner and DOGM

If the DOGM approves and Class A is available in the area for less cost it may be substituted for Class G or H above 6,000'.

From: [John Keller](#)
To: [Cara Mezydlo](#)
Subject: FW: Carbon Canal Revised Procedure For Upper Plugs if Wellhead Will Not Come Off
Date: Tuesday, August 02, 2016 4:23:05 PM

This is the revised procedure after the wellhead would not come off.

From: Dustin Doucet [mailto:dustindoucet@utah.gov]
Sent: Wednesday, July 20, 2016 7:56 AM
To: John Keller
Cc: Ryan Swann (ryan@swannconsultingllc.com); Scott Swain; Mark Jones
Subject: Re: Carbon Canal Revised Procedure For Upper Plugs if Wellhead Will Not Come Off

Looks ok to me.

Dustin

On Tue, Jul 19, 2016 at 7:12 PM, John Keller <JohnK@whiting.com> wrote:
Ryan and Dustin & Scott,

In the event we cannot get the wellhead off:

The plan is as follows. I have cleared this with Dustin last night conceptually, but I ask that Dustin confirm in the morning by e-mail he is satisfied with the plug sizes and depths.

Procedure: (All plugs accelerated Class A, Type A or Type II 1.15 yield cement)

Spot 100' cement plug in 5 ½ from 3,650' – 3,750' (18 sack) with tubing (Navajo Plug)

WOC and then tag on plug, minimum height 3,650' (5 ½" TOC is around 3000')

POH and prepare to perforate 5 ½" casing at 2,247-50'

Perforate 12 holes 2,250' – 2,247'

Run packer on tubing and set 17 feet above perfs at 2,230' and verify injectivity

Pressure test annulus to 1,000 psi assure good packer seat

Pump 130 barrels through perfs to determine if well will circulate and to clean up well for cementing

If well will circulate well load 5 ½ with 9 lb plus brine if not already loaded and then TOH

Run cement retainer on tubing and set at 2,225'

. Shear off retainer and then stab back in and confirm injectivity

. If injectivity is good mix and pump 75 sacks of cement.

. Start pumping cement through retainer while monitoring 5 ½ - 9 5/8" annulus for returns while pumping

If returns continue through job pump 50 sacks through retainer, then unsting and spot remaining 25 sacks cement on to top of retainer

If returns stop while pumping displace cement 1.5 barrels short of the retainer, pull off retainer and reverse tubing clean on top of retainer – WOC and then run temp log to determine height of cement between 5 ½ and 9 5/8" – Call for instructions once you have temp log height

. If good returns throughout WOC, tag up on cement in 5 ½" casing - Should be at or above 2,119' in 5 ½" casing

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- . POH and prepare to perforate 5 ½" casing at 997-1000'.
- . Perforate 12 holes 997-1,000'
- . Run packer on tubing and set 37 feet above perfs at 960' and verify injectivity
- . Pressure test annulus to 1,000 psi assure good packer seat
- . Pump 70 barrels through perfs to determine if well will circulate and to clean up well for cementing
- . Run cement retainer on tubing and set at 985'
- . Shear off retainer and then stab back in and confirm injectivity
- . If injectivity is good mix and pump 75 sack of 1.15 yield accelerated Class A, Type A or Type II cement.
- . Start pumping cement through retainer while monitoring 5 ½ - 9 5/8" annulus for returns while pumping
If returns continue through job pump 50 sacks through retainer, then unsting and spot remaining 25 sacks of cement on top of retainer
If returns stop while pumping displace cement 1.5 barrels short of the retainer, pull off retainer and reverse tubing clean on top of retainer – WOC and then run temp log to determine height of cement between 5 ½ and 9 5/8" – Call for instructions once you have temp log height
- . If good returns throughout WOC, tag up on cement in 5 ½" casing - Should be at or above 879' in 5 ½" casing
- . Cutoff wellhead completely to free pipe – Overshot 5" and determine 5 ½" casing TOC with temp log and cut and pull 5 ½" above cement top unless top below 879'
- . Overshot 9 5/8" and determine TOC with temp log
- . With tubing spot 20 sack cement plug ½ in and ½ out of 5 ½" casing stub
- . Overshot 9 5/8" and cut 10' above TOC – Pull from hole
- . With tubing spot 45 sack cement plug ½ in and ½ out of 9 5/8" stub
- . Cut off casing and wellhead sufficiently below ground level to allow plat to be 4' below final grade.
- . Go in hole 150' below top of casing and spot 125 sack accelerated plug from 150' below cut to cut
- . Weld on cap with beaded on well information
- . Complete restoration as agreed to with DOGM and landowner

John Keller

Operations Manager

Whiting Petroleum Corporation

and its wholly owned subsidiary

Whiting Oil and Gas Corporation

1700 Broadway, Suite 2300

Denver, CO 80290

Direct [\(303\) 390-4277](tel:(303)390-4277)

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johnk@whiting.com

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--

Dustin K. Doucet
Petroleum Engineer
Division of Oil, Gas and Mining
1594 West North Temple, Ste 1210
Salt Lake City, Utah 84116
801.538.5281 (ofc)
801.359.3940 (fax)

web: www.ogm.utah.gov

From: [John Keller](#)
To: [Cara Mezydlo](#)
Subject: FW: Revised Procedure Carbon Canal 6-12
Date: Tuesday, August 02, 2016 4:21:34 PM

This is his approval alternate cement types

From: John Keller
Sent: Wednesday, June 22, 2016 8:42 AM
To: 'Dustin Doucet'
Cc: Scott Swain
Subject: RE: Revised Procedure Carbon Canal 6-12

Dustin,

Thanks I will advise Scott, our foreman.

John Keller
Operations Manager
Whiting Petroleum Corporation
and its wholly owned subsidiary
Whiting Oil and Gas Corporation
1700 Broadway, Suite 2300
Denver, CO 80290
Direct (303) 390-4277
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From: Dustin Doucet [<mailto:dustindoucet@utah.gov>]
Sent: Tuesday, June 21, 2016 6:34 PM
To: John Keller
Cc: Scott Swain
Subject: Re: Revised Procedure Carbon Canal 6-12

Yes, I would consider Type A. I know Type II has been typically available and less expensive than G and we have used that quite a bit for plugging in similar situations.

Dustin

On Tue, Jun 21, 2016 at 6:06 PM, John Keller <JohnK@whiting.com> wrote:
Dustin,

I have removed the CIBP and cement and will spot plugs half in and half out at the cut point on the 5 ½ and the 9 5/8".

I am not sure if Class A is available in the area, but it is typically much less expensive than G or H in most cases and its use above 6,000 feet would be fine in regard to compressive strength and temperature degradation and would be fully compliant with API and Halliburton guidance. Would you consider allowing us to use Class A in lieu of G or H above 6,000' if it is less expensive and

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available?

The revised procedure as per your request and attached above. I will modify the state well accordingly.

John Keller

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Sent: Tuesday, June 21, 2016 3:53 PM

To: John Keller

Subject: Re: Revised Procedure Carbon Canal 6-12

John,

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49116
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: WHITING OIL & GAS CORPORATION		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1700 Broadway, Suite 2300, Denver, CO, 80290 2300		8. WELL NAME and NUMBER: CARBON CANAL 5-12
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2127 FNL 0649 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 12 Township: 16.0S Range: 10.0E Meridian: S		9. API NUMBER: 43015307090000
PHONE NUMBER: 303 390-4095 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
COUNTY: EMERY		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/30/2016	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Whiting Oil and Gas respectfully reports final reclamation work (recontouring and seeding) has been completed on this location following Landowner instruction. The Landowner assumes responsibility for location per attached letter of agreement.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 24, 2017		
NAME (PLEASE PRINT) Cara Mezydlo	PHONE NUMBER 303 876-7091	TITLE Engineering Technician
SIGNATURE N/A	DATE 12/8/2016	

Farmland Reserve, Inc.

79 South Main Street, Suite 1000
Salt Lake City, UT 84111-1103
(801) 715-9100

July 21, 2016

Scott Swain
Whiting Oil and Gas
1450 East Main Street Box 33
Vernal, UT 84078

Dear Scott Swain:

Corporation of the Presiding Bishop of the Church of Jesus Christ of Latter Day Saints owns a ranch in Emery County Utah, a portion of which is located in the North West Quarter of Section 12 Township 16S Range 10 East of the Salt Lake Base and Meridian. Whiting Oil and Gas has been asked to abandon an oil well site located in the indicated quarter section. Corporation of the Presiding Bishop of the Church of Jesus Christ of Latter Day Saints requests that the site be returned to the original grade and slope and that the well site be replanted to the original grasses, shrubs and other forbs native to the area.

Thank you for your request and work in returning the area to its original condition.

Sincerely,



Kelly Tryon
Lease Portfolio Manager

Customer Mix Sheet

Mixture Name: Scamp Excavation/9-7-16
Customer Name: Scamp Excavation
Lot Number: 30902
PO Number:
Creation Date: 9/8/2016

Seeding Rate/ Notes:

Whiting
Carbon Canal
Rem
Verthi

Lot Number	Kind and Variety	Rate	PLS Lbs.	Bulk Lbs
17175	Crested Wheatgrass, Hy-Crest		72.29	80.00
KRLA-N-NV	Winterfat, VNS		4.84	10.00
ARTWR-O-	Wyoming Big Sagebrush, VNS		2.30	10.00
		Totals:	79.43	100.00